



OTTO VON GUERICKE
UNIVERSITÄT
MAGDEBURG

NAT

FAKULTÄT FÜR
NATURWISSENSCHAFTEN

Publikationsbericht 2020

Fakultät für Naturwissenschaften

FAKULTÄT FÜR NATURWISSENSCHAFTEN

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1. LEITUNG

Dekan

Prof. Dr. rer. nat. habil. Oliver Speck

Prodekan

Prof. Dr. med. Markus Ullsperger (bis 30.09.2020); Prof. Dr. rer. nat. habil. Jan Wiersig (ab 01.10.2020)

Studiendekan

Prof. Dr. rer. nat. Fred Schaper

2. VERÖFFENTLICHUNGEN

DISSERTATIONEN

Brunk, Michael G. K.; Happel, Max F. K. [AkademischeR BetreuerIn]

Dopaminergic influence on cortical processing in rodents by optogenetic stimulation of the ventral tegmental area
Magdeburg, 2020, X, 116 Seiten, Illustrationen;
[Literaturverzeichnis: Seite 79-96]

Ehrentraut, Stefanie; Schumacher, Anne [AkademischeR BetreuerIn]

Unraveling the potential of human chorionic gonadotropin as an approach for the treatment of multiple sclerosis using a mouse model
Magdeburg, 2020, vi, vi, 164 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 115-154]

Fanaei, Masoumeh; Wiersig, Jan [AkademischeR BetreuerIn]

Effect of the second mode on the optical properties of quantum-dot microcavity lasers
Magdeburg, 2020, ix, 98 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 82-94]

Fraust, Beate; Schmitz, Ingo [AkademischeR BetreuerIn]

Apoptotic and inflammatory signalling pathways in dendritic cells
Magdeburg, 2020, 178 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 137-174]

Freytag, Stefan; Feneberg, Martin [AkademischeR BetreuerIn]

Optische Untersuchung von semipolaren InGaN/GaN-Quantengraben mit der Kristallorientierung (2021) und (2021)
Magdeburg, 2020, 114 Seiten, Illustrationen, Diagramme;
[Literaturverzeichnis: Seite 101-113]

García-Lázaro, Haydée Guadalupe; Hopf, Jens-Max [AkademischeR BetreuerIn]

Neural mechanisms of global attention-, and reward-related selection in human visual cortex
Magdeburg, 2020, 94 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 81-94]

Geringswald, Franziska; Pollmann, Stefan [AkademischeR BetreuerIn]

Visual attention and memory under central vision loss
Magdeburg, 2020, vii, 135 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 104-123]

Kobler, Oliver

Struktur und Dynamik der neuromuskulären Synapse von *Drosophila melanogaster* - Untersuchungen am Dlg-Gerüstkomplex mittels hochauflösender Lichtmikroskopie und 3D/4D-Bildanalysen
Magdeburg, 2020, VIII, 102 Seiten, Illustrationen;
[Literaturverzeichnis: Seite 86-99]

Kul, Emre Ufuk; Stork, Oliver [AkademischeR BetreuerIn]

Reversibility of the pathology in a mouse model of fragile X-associated tremor/ataxia syndrome - exploring time-dependence and intervention strategies
Magdeburg, 2020, xii, 116, A-O Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 105-116]

Lüsebrink-Rindsland, Jann Falk Silvester; Speck, Oliver [AkademischeR BetreuerIn]

Die Aufnahme ultrahochauflöster Magnetresonanztomographiedaten des menschlichen Gehirns in vivo und deren quantitative Analyse
Magdeburg, Dissertation Otto-von-Guericke-Universität Magdeburg, Fakultät für Naturwissenschaften 2020, 144 Seiten, Illustrationen, Diagramme, 30 cm ;
[Literaturverzeichnis: Seite 115-131]

Marquardt, Isabel; Bruder, Dunja [AkademischeR BetreuerIn]

Hypervirulent *Clostridioides difficile* induces a multifaceted response in human mucosal-associated invariant T cells
Magdeburg, 2020, VIII, 99 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 77-99]

Mulas, Floriana; Schlüter, Dirk [AkademischeR BetreuerIn]

Dendritic cell-specific function of OTUB1 in inflammation and infection
Magdeburg, 2020, VII, 99 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 86-98]

Sun, Weilun; Dityatev, Alexander [AkademischeR BetreuerIn]

Role of retrosplenial cortex in context discrimination and the underlying neuronal coding in mouse (*mus musculus*)
Magdeburg, 2020, vii, 106 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 89-106]

Trittel, Torsten; Stannarius, Ralf [AkademischeR BetreuerIn]

Statische und dynamische Eigenschaften dünner smektischer Filme
Magdeburg, 2020, V, 117 Seiten, Illustrationen, Diagramme, 30 cm;
[Auf der CD: Dissertation im PDF-Format und Power-Point-Präsentation der Verteidigung, alle Abbildungen der Arbeit, ausgewählte Videoaufnahmen des experimentellen Vorgangs; Literaturverzeichnis: Seite 107-116]

Waldt, Natalie; Kliche, Stefanie [AkademischeR BetreuerIn]; Lendeckel, Uwe [AkademischeR BetreuerIn]

Kontrolle der TZR-vermittelten Aktivierung von LFA-1 in T-Zellen mithilfe der Phosphorylierung von Filamin A am Serin 2152 durch die Serin/Threonin-Kinase Ndr2
Magdeburg, 2020, 120 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 106-116]

Weiglein, Alie

Behavioral and optogenetic analyses of reinforcement processing in larval *Drosophila*
Magdeburg, 2020, 130 Seiten, Illustrationen;
[Literaturverzeichnis: Seite 102-130]

Yang, Chuan-Chih; Walter, Martin [AkademischeR BetreuerIn]

Structural and functional brain changes after a 40-days short-term mindfulness meditation training
Magdeburg, 2020, 86 Blätter, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Blatt 73-83]

You, Qing; Sabel, Bernhard A. [AkademischeR BetreuerIn]

The role of physicochemical parameters on polybutylcyanoacrylate nanoparticles' delivery to the central nervous system
Magdeburg, 2020, IV, 79 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 69-78]

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1. LEITUNG

Prof. Jochen Braun, Ph.D.

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Albrecht, Anne; Redavide, Elisa; Regev-Tsur, Stav; Stork, Oliver; Richter-Levin, Gal

Hippocampal GABAergic interneurons and their co-localized neuropeptides in stress vulnerability and resilience
Neuroscience & biobehavioral reviews: official journal of the International Behavioral Neuroscience Society -
Amsterdam [u.a.]: Elsevier Science, 1978 . - 2020;

[Online first]

[Imp.fact.: 8.33]

Barrett, Rachel L. C.; Dawson, Matthew; Dyrby, Tim B.; Krug, Kristine; Ptito, Maurice; D'Arceuil, Helen; Croxson, Paula L.; Johnson, Philippa J.; Howells, Henrietta; Forkel, Stephanie J.; Dell'Acqua, Flavio; Catani, Marco

Differences in frontal network anatomy across primate species

The journal of neuroscience: the official journal of the Society for Neuroscience - Washington, DC: Soc., 1981,
Bd. 40.2020, 10, S. 2094-2107;

[Imp.fact.: 6.074]

Bauermeister, Christoph; Keren, Hanna; Braun, Jochen

Unstructured network topology begets order-based representation by privileged neurons

Biological cybernetics: advances in computational neuroscience - Berlin: Springer, 1961, Bd. 114.2020, S.
113-135;

[Imp.fact.: 1.111]

Bayraktar, Gonca; Yuanxiang, PingAn; Confettura, Alessandro D.; Gomes, Guilherme M.; Raza, Syed A.; Stork, Oliver; Tajima, Shoji; Suetake, Isao; Karpova, Anna; Yildirim, Ferah; Kreut, Michael R.

Synaptic control of DNA methylation involves activity-dependent degradation of DNMT3A1 in the nucleus

Neuropsychopharmacology: official publication of the American College of Neuropsychopharmacology - London:
Springer Nature, 1993, Bd. 45.2020, S. 2120-2130;

[Imp.fact.: 6.887]

Ben Hadj Hassen, Sameh; Ben Hamed, Suliann

Functional and behavioural correlates of shared neuronal noise variability in vision and visual cognition

Current opinion in physiology - [Amsterdam]: Elsevier, Bd. 16.2020, S. 85-97

Berdugo-Vega, Gabriel; Arias-Gil, Gonzalo; López-Fernández, Adrian; Artegiani, Benedetta; Wasielewska, Joanna M.; Lee, Chi-Chieh; Lippert, Michael T.; Kempermann, Gerd; Takagaki, Kentaroh; Calegari, Federico

Increasing neurogenesis refines hippocampal activity rejuvenating navigational learning strategies and contextual
memory throughout life

Nature Communications - [London]: Nature Publishing Group UK, Bd. 11.2020, 1, S. 135

[Imp.fact.: 12.201]

Brosch, Marcel; Deckert, Martin; Rathi, Sanchit; Takagaki, Kentaroh; Weidner, Theresa; Ohl, Frank W.; Schmidt, Bertram; Lippert, Michael T.

An optically transparent multi-electrode array for combined electrophysiology and optophysiology at the mesoscopic scale

Journal of neural engineering - Bristol : Institute of Physics Publishing, Bd. 17.2020, 4, insges. 15 S.

[Imp.fact.: 4.141]

Dürschmid, Stefan; Reichert, Christoph; Walter, Nike; Hinrichs, Hermann; Heinze, Hans-Jochen; Ohl, Frank W.; Tononi, Giulio; Deliano, Matthias

Self-regulated critical brain dynamics originate from high frequency-band activity in the MEG

PLOS ONE - San Francisco, California, US: PLOS, 2006, Vol. 15.2020, 6, article e0233589, insges. 20 Seiten;

[Imp.fact.: 2.74]

Eichert, Nicole; Robinson, Emma C.; Bryant, Katherine L.; Jbabdi, Saad; Jenkinson, Mark; Li, Longchuan; Krug, Kristine; Watkins, Kate E.; Mars, Rogier B.

Cross-species cortical alignment identifies different types of anatomical reorganization in the primate temporal lobe

eLife - Cambridge: eLife Sciences Publications, 2012, Volume 9 (2020), article e53232, 69 Seiten;

[Imp.fact.: 7.551]

Gaillard, Corentin; Ben Hadj Hassen, Sameh; Di Bello, Fabio; Bihan-Poudec, Yann; VanRullen, Rufin; Ben Hamed, Suliann

Prefrontal attentional saccades explore space rhythmically

Nature Communications - [London]: Nature Publishing Group UK - Vol. 11.2020, article number: 925, 13 Seiten

[Imp.fact.: 12.121]

Gerber, Bertram; King, Elizabeth G.; Schulz, David; Tanimoto, Hiromu; Waddell, Scott; Wu, Chun-Fang

Future perspectives of neurogenetics - in honor of Troy D. Zars (1967-2018)

Journal of neurogenetics - Abingdon: Taylor & Francis Group, 1983, Bd. 34.2020, 1, insges. 1 S.;

[Imp.fact.: 1.438]

Girard, Gabriel; Caminiti, Roberto; Battaglia, Alexandra; St-Onge, Etienne; Ambrosen, Karen S.; Eskildsen, Simon F.; Krug, Kristine; Dyrby, Tim B.; Descoteaux, Maxime; Thiran, Jean-Philippe; Innocenti, Giorgio M.

On the cortical connectivity in the macaque brain - a comparison of diffusion tractography and histological tracing data

NeuroImage: a journal of brain function - Orlando, Fla.: Academic Press, 1992, Volume 221 (2020), article 117201;

[Imp.fact.: 5.902]

Hoffmann-Conaway, Sheila; Brockmann, Marisa M.; Schneider, Katharina; Annamneedi, Anil; Rahman, Kazi Atikur; Bruns, Christine; Textoris-Taube, Kathrin; Trimbuch, Thorsten; Smalla, Karl-Heinz; Rosenmund, Christian; Gundelfinger, Eckart D.; Garner, Craig Curtis; Montenegro-Venegas, Carolina

Parkin contributes to synaptic vesicle autophagy in Bassoon-deficient mice

eLife - Cambridge: eLife Sciences Publications, 2012, Volume 9.2020, article e56590, insgesamt 30 Seiten;

[Imp.fact.: 7.08]

Knyazeva, Stanislava; Selezneva, Elena; Gorkin, Alexander; Ohl, Frank; Brosch, Michael

Representation of auditory task components and of their relationships in primate auditory cortex

Frontiers in neuroscience - Lausanne: Frontiers Research Foundation, 2007, Volume 14 (2020), article 306, 17 Seiten;

[Imp.fact.: 3.648]

Kocamaz, Derya; Oruc, Elif

Effect of thiamethoxam and [λ]cyhalothrin, administered individually and in mixture on the endocrine function and antioxidant defense of gonads of oreochromis niloticus

Pakistan journal of zoology - Dudelange: Otter Specialist Group Bulletin, 2004, Bd. 52.2020, 3, S. 1085-1093;

Krug, Kristine

Coding perceptual decisions - from single units to emergent signaling properties in cortical circuits
Annual review of vision science - Palo Alto, Calif.: Annual Reviews, 2015, Bd. 6.2020, 1;
[Imp.fact.: 5.897]

Krzyanowska, Marta; Steiner, Johann; Pieniak, Dorota; Karnecki, Karol; Kaliszan, Micha; Wiergowski, Marek; Rbaa, Krzysztof; Brisch, Ralf; Braun, Anna Katharina; Jankowski, Zbigniew; Kosmowska, Monika; Chociej, Joanna; Gos, Tomasz

Ribosomal DNA transcription in prefrontal pyramidal neurons is decreased in suicide
European archives of psychiatry and clinical neuroscience - Darmstadt: Steinkopff, 1868, Bd. 270.2020, 7, S. 859-867;
[Imp.fact.: 3.288]

Martínez-Rodríguez, Elena; Martín-Sánchez, Ana; Kul, Emre; Bose, Aparajita; Martínez-Martínez, Francisco José; Stork, Oliver; Martínez-García, Fernando; Lanuza, Enrique; Santos, Mónica; Agustín-Pavón, Carmen

Male-specific features are reduced in Mecp2-null mice - analyses of vasopressinergic innervation, pheromone production and social behaviour
Brain structure & function - Berlin: Springer, 2007, Bd. 225.2020, 7, S. 2219-2238;
[Imp.fact.: 3.298]

Michels, Birgit; Franke, Katrin; Weiglein, Alie; Sultani, Haider; Gerber, Bertram; Wessjohann, Ludger A.

Rewarding compounds identified from the medicinal plant *Rhodiola rosea*
The journal of experimental biology - Cambridge : Company of Biologists - Volume 223(2020), article jeb223982

Montenegro-Venegas, Carolina; Annamneedi, Anil; Hoffmann-Conaway, Sheila; Gundelfinger, Eckart D.; Garner, Craig C.

BSN (bassoon) and PRKN/parkin in concert control presynaptic vesicle autophagy
Autophagy - Abingdon, Oxon: Taylor & Francis, 2005, Bd. 16.2020, 9, S. 1732-1733;
[Imp.fact.: 9.77]

Nullmeier, Sven; Elmers, Christoph; Hanis, Wolfgang; Sandhu, Kiran Veer Kaur; Stork, Oliver; Yanagawa, Yuchio; Panther, Patricia Eleonore; Schwegler, Herbert

Glutamic acid decarboxylase 67 haplodeficiency in mice - consequences of postweaning social isolation on behavior and changes in brain neurochemical systems
Brain structure & function - Berlin: Springer, 2007, Bd. 225.2020, 6, S. 1719-1742;
[Imp.fact.: 3.298]

Parker, Andrew J.; Krug, Kristine

Editorial overview: The growing research networks of the physiology of vision
Current opinion in physiology - [Amsterdam]: Elsevier, 2018, Volume 16 (2020), Seite iii-v;

Peterson, Adam J.; Heil, Peter

Phase locking of auditory nerve fibers - the role of lowpass filtering by hair cells
The journal of neuroscience: the official journal of the Society for Neuroscience - Washington, DC: Soc., 1981, Bd. 40.2020, 24, S. 4700-4714;
[Imp.fact.: 5.673]

Ponzi, Adam; Barton, Scott J.; Bunner, Kendra D.; Rangel-Barajas, Claudia; Zhang, Emily S.; Miller, Benjamin R.; Rebec, George V.; Kozloski, James

Striatal network modeling in Huntingtons Disease
PLoS Computational Biology: a new community journal/ Public Library of Science - San Francisco, Calif.: Public Library of Science, 2005, Bd. 16.2020, 4\$Volume 16 (2020), issue 4, article e1007648;

Regev-Tsur, Stav; Demiray, Yunus Emre; Tripathi, Kuldeep; Stork, Oliver; Richter-Levin, Gal; Albrecht, Anne

Region-specific involvement of interneuron subpopulations in trauma-related pathology and resilience
Neurobiology of disease - Orlando, Fla.: Academic Press, 1994, Bd. 143.2020, Art.-Nr. 104974, insgesamt 11 Seiten;
[Imp.fact.: 5.332]

Richter, Max; Wohlfromm, Fabian; Kähne, Thilo; Bongartz, Hannes; Seyrek, Kamil; Kit, Yuriy; Chinak, Olga; Richter, Vladimir A.; Koval, Olga A.; Lavrik, Inna N.

The recombinant fragment of human [kappa]-casein induces cell death by targeting the proteins of mitochondrial import in breast cancer cells
Cancers - Basel: MDPI, 2009, Bd. 12.2020, 6, Art.-Nr. 1427, insges. 21 Seiten;
[Imp.fact.: 6.126]

Rufener, Katharina S.; Kauk, Julian; Ruhau, Philipp; Replinger, Stefan; Heil, Peter; Zaehle, Tino

Inconsistent effects of stochastic resonance on human auditory processing
Scientific reports - [London]: Macmillan Publishers Limited, part of Springer Nature, 2011, Volume 10(2020), issue 1, article 6419, 10 Seiten;
[Imp.fact.: 3.998]

Rufener, Katharina S.; Kauk, Julian; Ruhnau, Philipp; Replinger, Stefan; Heil, Peter; Zähle, Tino

Inconsistent effects of stochastic resonance on human auditory processing
Scientific reports - [London]: Macmillan Publishers Limited, part of Springer Nature, 2011, Vol. 10.2020, Art.-Nr. 6419, insges. 10 Seiten;
[Imp.fact.: 3.998]

Rätzel, Viktoria; Werthmann, Britta; Haas, Markus; Strube, Jan; Marwan, Wolfgang

Disentangling a complex response in cell reprogramming and probing the Waddington landscape by automatic construction of Petri nets
Biosystems: journal of biological and information processing sciences - Amsterdam [u.a.]: Elsevier Science, 1967, Volume 189 (2020), article 104092;
[Imp.fact.: 1.623]

Sallet, Jérôme; Noonan, MaryAnn P.; Thomas, Adam; O'Reilly, Jill X.; Anderson, Jesper; Papageorgiou, Georgios K.; Neubert, Franz X.; Ahmed, Bashir; Smith, Jackson; Bell, Andrew H.; Buckley, Mark J.; Roumazelles, Léa; Cuell, Steven; Walton, Mark E.; Krug, Kristine; Mars, Rogier B.; Rushworth, Matthew F. S.

Behavioral flexibility is associated with changes in structure and function distributed across a frontal cortical network in macaques
PLoS biology/ Public Library of Science - Lawrence, KS: PLoS, 2003, Volume 18 (2020), issue 5, article e3000605, 26 Seiten;
[Imp.fact.: 8.386]

Sandhu, Kiran Veer; Demiray, Yunus Emre; Yanagawa, Yuchio; Stork, Oliver

Dietary phytoestrogens modulate aggression and activity in social behavior circuits of male mice
Hormones and behavior - Orlando, Fla.: Acad. Press, 1969, Volume 119 (2019), Artikel 104637, 2020;

Schleyer, Michael; Weiglein, Alie; Thoener, Juliane; Strauch, Martin; Hartenstein, Volker; Kantar Weigelt, Melisa; Schuller, Sarah; Saumweber, Timo; Eichler, Katharina; Rohwedder, Astrid; Merhof, Dorit; Zlatic, Marta; Thum, Andreas S.; Gerber, Bertram

Identification of dopaminergic neurons that can both establish associative memory and acutely terminate its behavioral expression
The journal of neuroscience: the official journal of the Society for Neuroscience - Washington, DC: Soc., 1981 - 2020;
[online first]

Sydor, Svenja; Manka, Paul Peter; Buren, Lea; Theurer, Sarah; Schwertheim, Suzan; Best, Jan; Heegsma, Janette; Saeed, Ali; Vetter, Diana; Schlattjan, Martin; Dittrich, Anna; Fiel, Maria Isabel; Baba, Hideo Andreas; Dechêne, Alexander; Cubero, Francisco Javier; Gerken, Guido; Canbay, Ali E.; Moshage, Han; Friedman, Scott L.; Faber, Klaas Nico; Bechmann, Lars Peter

Hepatocyte KLF6 expression affects FXR signalling and the clinical course of primary sclerosing cholangitis

Liver international: official journal of the International Association for the Study of the Liver - Oxford: Wiley-Blackwell, 2003, Bd. 40.2020, 9, S. 2172-2181;
[Imp.fact.: 5.175]

Takagaki, Kentaroh; Krug, Kristine

The effects of reward and social context on visual processing for perceptual decision-making
Current opinion in physiology - [Amsterdam]: Elsevier, 2018, Bd. 16.2020, S. 109-117;

Tony, Schultz; Bock, Jörg; Braun, Anna Katharina

Paternal deprivation and female biparental family rearing induce dendritic and synaptic changes in octodon degus : I. Medial prefrontal cortex
Frontiers in synaptic neuroscience - Lausanne: Frontiers Research Foundation, 2009, Volume 12(2020), article 38, 12 Seiten;

Weidner, Theresa C. S.; Vincenz, Daniel; Brocka, Marta Jadwiga; Tegtmeier, Jennifer; Oelschlegel, Anja Maria; Ohl, Frank W.; Goldschmidt, Jürgen; Lippert, Michael T.

Matching stimulation paradigms resolve apparent differences between optogenetic and electrical VTA stimulation
Brain stimulation: basic, translational, and clinical research in neuromodulation - New York, NY [u.a.]: Elsevier, 2008, Bd. 13.2020, 2, S. 363-371;
[Imp.fact.: 6.565]

Weiglein, Alie; Thoener, Juliane; Feldbruegge, Irina; Warzog, Louisa; Mancini, Nino; Schleyer, Michael; Gerber, Bertram

Aversive teaching signals from individual dopamine neurons in larval Drosophila show qualitative differences in their temporal 'fingerprint'
The journal of comparative neurology - New York, NY [u.a.]: Wiley-Liss, 2020 ;
[Online first]
[Imp.fact.: 2.801]

Wigger, Daniela C.; Gröger, Nicole; Lesse, Alexandra; Krause, Sabrina; Merz, Tamara; Gündel, Harald; Braun, Anna Katharina; McCook, Oscar; Radermacher, Peter; Bock, Jörg; Waller, Christiane

Maternal separation induces long-term alterations in the cardiac oxytocin receptor and cystathionine γ -lyase expression in mice
Oxidative medicine and cellular longevity - Austin, Tex.: Landes Bioscience, 2008, Volume 2020(2020), article ID 4309605, 10 Seiten;
[Imp.fact.: 5.076]

Çalikan, Gürsel; Müller, Anke; Albrecht, Anne

Long-term impact of early-life stress on hippocampal plasticity - spotlight on astrocytes
International journal of molecular sciences - Basel: Molecular Diversity Preservation International, 2000, Vol. 21.2020, 14, Art.-Nr. 4999, insgesamt 19 Seiten;
[Imp.fact.: 4.556]

BEGUTACHTETE BUCHBEITRÄGE

Bock, Jörg

Fetale Programmierung - Epigenetik
Early Life Care: frühe Hilfen von der Schwangerschaft bis zum 1. Lebensjahr : das Grundlagenbuch / Karl Heinz Brisch, Wolfgang Sperl, Katharina Kruppa (Hrsg.): frühe Hilfen von der Schwangerschaft bis zum 1. Lebensjahr : das Grundlagenbuch - Stuttgart: Klett-Cotta, 2020 . - 2020, S. 55-83

Tripathi, Kuldeep; Müller, Iris; Stork, Oliver; Richter-Levin, Gal

Active resilience in response to traumatic stress
Stress resilience: molecular and behavioral aspects / edited by Alon Chen: molecular and behavioral aspects - London, United Kingdom: Elsevier/Academic Press, 2020 . - 2020, S. 95-106

ABSTRACTS

Billing, Ulrike; Fiebelkow, Jessica; Guendel, Beate; Jetka, Tomasz; Komorowski, Michal; Garbers, Christoph; Schaper, Fred; Dittrich, Anna

IL-6 type cytokine signalling from an information theoretic point of view mechanisms to reduce uncertainty of signalling

Structure-function & systems biology of cytokines: 8th Annual Meeting of the International Cytokine & Interferon Society, 1 - 4 November, virtual meeting : abstract book - International Cytokine & Interferon Society ICIS, 2020 . - 2020, S. 35;

[Meeting: Cytokines 2020, virtual meeting, 1 - 4 November 2020]

Köhler, Nadine; Dittrich, Anna; Schaper, Fred

STAT3 reduces the expression of the mTOR inhibitor REDD1 in a non-canonical fashion

Structure-function & systems biology of cytokines : 8th Annual Meeting of the International Cytokine & Interferon Society, 1 - 4 November, virtual meeting : abstract book - International Cytokine & Interferon Society ICIS , 2020, S. 65 ;

[Meeting: Cytokines 2020, virtual meeting, 1 - 4 November 2020]

DISSERTATIONEN

Brunk, Michael G. K.; Happel, Max F. K. [AkademischeR BetreuerIn]

Dopaminergic influence on cortical processing in rodents by optogenetic stimulation of the ventral tegmental area
Magdeburg, 2020, X, 116 Seiten, Illustrationen;

[Literaturverzeichnis: Seite 79-96]

Kul, Emre Ufuk; Stork, Oliver [AkademischeR BetreuerIn]

Reversibility of the pathology in a mouse model of fragile X-associated tremor/ataxia syndrome - exploring time-dependence and intervention strategies

Magdeburg, 2020, xii, 116, A-O Blätter, Illustrationen, Diagramme, 30 cm;

[Literaturverzeichnis: Blatt 105-116]

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1. LEITUNG

Prof. Dr. rer. nat. habil. Ralf Stannarius (Leiter bis 10/2020)
Prof. Dr. rer. nat. habil. Rüdiger Goldhahn (Leiter ab 11/2020)
Prof. Dr. rer. nat. habil. Jan Wiersig (stellv. Leiter)
Prof. Dr. rer. nat. habil. Jürgen Christen
Prof. Dr. rer. nat. Klaus Kassner
Prof. Dr. rer. nat. Andreas Menzel
Prof. Dr. rer. nat. Claus-Dieter Ohl
Vertr.-Prof.in Dr. rer. nat. Bernadette Schorn
Prof. Dr. rer. nat. habil. Oliver Speck
Prof. Dr. rer. nat. habil. André Strittmatter
Dr. rer. nat. Hartmut Witte

2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Ahmadi, Khazar; Fracasso, Alessio; Puzniak, Robert J.; Gouws, Andre D.; Yakupov, Renat; Speck, Oliver; Kaufmann, Joern; Pestilli, Franco; Dumoulin, Serge O.; Morland, Antony B.; Hoffmann, Michael

Triple visual hemifield maps in a case of optic chiasm hypoplasia
NeuroImage: a journal of brain function - Orlando, Fla.: Academic Press, 1992, Volume 215.2020, article 116822, insgesamt 13 Seiten;
[Imp.fact.: 5.902]

Anastasova, Elizaveta I.; Puzyrev, Dmitry; Ivanovski, Vladimir; Drozdov, Andrey S.

Magnetically-assisted synthesis of porous sol-gel magnetite matrices with structural anisotropy
Journal of magnetism and magnetic materials: MMM - Amsterdam: North-Holland Publ. Co., 1975, Bd. 112.2020, S. 503-518;
[Imp.fact.: 8.002]

Bakhchova, Liubov; Jonusauskas, Linas; Dovil, Andrijec; Kurachkina, Marharyta; Baravykas, Tomas; Eremin, Alexey; Steinmann, Ulrike

Femtosecond laser-based integration of nano-membranes into organ-on-a-chip systems
Materials - Basel: MDPI, 2008, Volume 13 (2020), issue 14, article 3076;
[Imp.fact.: 2.972]

Burke, Phillip C.; Wiersig, Jan; Haque, Masudul

Non-Hermitian scattering on a tight-binding lattice
Physical review - Woodbury, NY: Inst., 2016, Volume 102 (2020), issue 1, article 012212;
[Imp.fact.: 2.777]

Challa, Seshagiri Rao; Vega, Nahuel A.; Mueller, Nahuel A.; Kristukat, Christian; Debray, Mario E.; Witte, Hartmut; Dadgar, Armin; Strittmatter, André

Understanding high-energy 75-MeV sulfur-ion irradiation-induced degradation in GaN-based heterostructures - the role of the GaN channel layer

IEEE transactions on electron devices: ED ; a publication of the IEEE Electron Devices Society/ Institute of Electrical and Electronics Engineers - New York, NY: IEEE, 1952 . - 2020, insges. 5 S.;

[Online first]

[Imp.fact.: 2.913]

Daddi-Moussa-Ider, Abdallah; Sprenger, Alexander R.; Amarouchene, Yacine; Salez, Thomas; Schönecker, Clarissa; Richter, Thomas; Löwen, Hartmut; Menzel, Andreas M.

Axisymmetric Stokes flow due to a point-force singularity acting between two coaxially positioned rigid no-slip disks

Journal of fluid mechanics - Cambridge [u.a.]: Cambridge Univ. Press, 1956, Volume 904 (2020), article A34, 26 Seiten;

[Imp.fact.: 3.137]

Derzhko, Oleg; Hutak, Taras; Krokhmalkii, Taras; Schnack, Jürgen; Richter, Johannes

Adapting Planck's route to investigate the thermodynamics of the spin-half pyrochlore Heisenberg antiferromagnet

Physical review - Woodbury, NY: Inst., 2016, Volume 101 (2020), issue 17, article 174426, 13 Seiten;

Derzhko, Oleg; Schnack, Jürgen; Dmitriev, Dmitry V.; Krivnov, Valery Ya.; Richter, Johannes

Flat-band physics in the spin-1/2 sawtooth chain

The European physical journal / B - Berlin: Springer, 1998, Volume 93 (2020), issue 8, article 161, 12 Seiten;

[Imp.fact.: 1.347]

Dmitriev, D. V.; Krivnov, V. Ya.; Schnack, J.; Richter, Johannes

Exact magnetic properties for classical delta-chains with ferromagnetic and antiferromagnetic interactions in applied magnetic field

Physical review - Woodbury, NY: Inst., 2016, Volume 101(2020), issue 5, article 054427, 12 Seiten;

[Imp.fact.: 3.736]

Duraisamy, Ramesh; Liebing, Phil; Harmgarth, Nicole; Lorenz, Volker; Hilfert, Liane; Feneberg, Martin; Goldhahn, Rüdiger; Engelhardt, Felix; Edelmann, Frank T.

Rubidium and cesium enediamide complexes derived from bulky 1,4-diazadienes

ACS omega - Washington, DC: ACS Publications, 2016, Bd. 5.2020, 30, S. 19061-19069;

[Imp.fact.: 3.573]

Edelmann, Frank T.; Lorenz, Volker; Liebing, Phil; Hilfert, Liane; Schröder, Lea

Synthesis and structural investigation of a complete series of brightly colored alkali metal 1,3dimethylviolurates

Zeitschrift für anorganische und allgemeine Chemie: ZAAC - Weinheim: Wiley-VCH, 1892 . - 2020;

[Online first]

[Imp.fact.: 1.24]

Faber, Jennifer; Giordano, Ilaria; Jiang, Xueyan; Kindler, Christine; Spottke, Annika; AcostaCabronero, Julio; Nestor, Peter J.; Wesenberg, Judith; Düzel, Emrah; Vielhaber, Stefan; Speck, Oliver; Dudeek, Ales; Kamm, Christoph; Scheef, Lukas; Klockgether, Thomas

Prominent white matter involvement in multiple system atrophy of cerebellar type

Movement disorders: official journal of the Movement Disorder Society - New York, NY: Wiley, 1986, Bd. 35.2020, 5, S. 816-824;

[Imp.fact.: 8.679]

Fischer, Lukas; Menzel, Andreas

Magnetically induced elastic deformations in model systems of magnetic gels and elastomers containing particles of mixed size

Smart materials and structures - Bristol: IOP Publ., 1992, Volume 30(2020), issue 1, article 014003, 15 Seiten;

[Imp.fact.: 3.613]

Freytag, Stefan; Winkler, Michael; Goldhahn, Rüdiger; Wernicke, Tim; Rychetsky, Monir; Koslow, Ingrid L.; Kneissl, Michael; Dinh, Duc V.; Corbett, Brian; Parbrook, Peter J.; Feneberg, Martin
Polarization fields in semipolar (2021) and (2021) InGaN light emitting diodes
Applied physics letters - Melville, NY: American Inst. of Physics, 1962, Volume 116(2020), Issue 6, Article 062106;
[Imp.fact.: 3.521]

Gaidzik, Franziska; Pathiraja, Sahani; Saalfeld, Sylvia; Stucht, Daniel; Speck, Oliver; Thévenin, Dominique; Janiga, Gábor
Hemodynamic data assimilation in a subject-specific circle of Willis geometry
Clinical neuroradiology: official publication of the German, Austrian and Swiss societies of neuroradiology - München: Urban & Vogel, 2006 . - 2020;
[Online first]
[Imp.fact.: 3.183]

Gonzalez-Avila, Silvestre Roberto; Blokland, Anne Charlotte; Zeng, Qingyun; Ohl, Claus-Dieter
Jetting and shear stress enhancement from cavitation bubbles collapsing in a narrow gap
Journal of fluid mechanics - Cambridge [u.a.]: Cambridge Univ. Press, 1956, Volume 884(2020), article A23;
[Imp.fact.: 3.137]

Gonzalez-Avila, Silvestre Roberto; Nguyen, Dang Minh; Arunachalam, Sankara; Domingues, Eddy M.; Mishra, Himanshu; Ohl, Claus-Dieter
Mitigating cavitation erosion using biomimetic gas-entrapping microtextured surfaces (GEMS)
Science advances - Washington, DC [u.a.]: Assoc., 2015, Volume 6(2020), No. 13, article eaax6192, 11 Seiten;

Gretsch, Frédéric; Mattern, Hendrik; Gallichan, Daniel; Speck, Oliver
Fat navigators and Moiré phase tracking comparison for motion estimation and retrospective correction
Magnetic resonance in medicine : MRM ; an official journal of the International Society for Magnetic Resonance in Medicine - New York, NY [u.a.]: Wiley-Liss, Bd. 83.2020, 1, S. 83-93
[Imp.fact.: 3.838]

Habibpoumoghdam, Atefeh
Photorefractive effect in NLC cells caused by anomalous electrical properties of ITO electrodes
Crystals: open access journal - Basel: MDPI, 2011, Volume 10 (2020), issue 10, article 900, 17 Seiten;

Hack, Michiel A.; Tewes, Walter; Xie, Qingguang; Datt, Charu; Harth, Kirsten; Harting, Jens; Snoeijer, Jacco H.
Self-similar liquid lens coalescence
Physical review letters - College Park, Md.: APS, 1958, Volume 124 (2020), issue 19, article 194502;
[Imp.fact.: 9.227]

Hajo, Ahid S.; Yilmazoglu, Oktay; Dadgar, Armin; Küppers, Franko; Kusserow, Thomas
Reliable GaN-based THz gunn diodes with side-contact and field-plate technologies
IEEE access : practical research, open solutions / Institute of Electrical and Electronics Engineers - New York, NY : IEEE, Bd. 8.2020, S. 84116-84122
[Imp.fact.: 3.745]

Harth, Kirsten; Stannarius, Ralf
Topological point defects of liquid crystals in quasi-two-dimensional geometries
Frontiers in physics - Lausanne: Frontiers Media, 2013, Volume 8 (2020), article 112, 19 Seiten;
[Imp.fact.: 1.895]

Harth, Kirsten; Wang, Jing; Börzsönyi, Tamás; Stannarius, Ralf
Intermittent flow and transient congestions of soft spheres passing narrow orifices
Soft matter - London: Royal Soc. of Chemistry, 2005, Bd. 16.2020, 34, S. 8013-8023;
[Imp.fact.: 3.14]

Haupt, Michael; Hauser, Marcus J. B.

Effective mixing due to oscillatory laminar flow in tubular networks of plasmodial slime moulds
New journal of physics: the open-access journal for physics - [Bad Honnef]: Dt. Physikalische Ges., 1999,
Volume 21 (2020), Article 053007, insgesamt 17 Seiten;
[Imp.fact.: 3.783]

Huang, Zhi-Feng; Menzel, Andreas M.; Löwen, Hartmut

Dynamical crystallites of active chiral particles
Physical review letters - College Park, Md.: APS, 1958, Bd. 125.2020, 21, insges. 8 S.;
[Imp.fact.: 9.227]

Khanbekyan, M.; Wiersig, Jan

Decay suppression of spontaneous emission of a single emitter in a high-Q cavity at exceptional points
Physical review research - College Park, MD: APS, 2019, Volume 2 (2020), issue 2, article 023375, 6 Seiten;

Klopp, Christoph; Eremin, Alexey

On droplet coalescence in quasi-two-dimensional fluids
Langmuir - Washington, DC : ACS Publ., Bd. 36.2020, 35, S. 10615-10621
[Imp.fact.: 3.557]

Klopp, Christoph; Trittel, Torsten; Stannarius, Ralf

Self similarity of liquid droplet coalescence in a quasi-2D free-standing liquid-crystal film
Soft matter - London: Royal Soc. of Chemistry, 2005 . - 2020;
[Online first]
[Imp.fact.: 3.399]

Kluth, Elias; Wieneke, Matthias; Bläsing, Jürgen P.; Witte, Hartmut; Lange, Karsten; Dadgar, Armin; Goldhahn, Rüdiger; Feneberg, Martin

The impurity size-effect and phonon deformation potentials in wurtzite GaN
Semiconductor science and technology: devoted exclusively to semiconductor research and applications ... -
Bristol: IOP Publ., 1986, Volume 35 (2020), issue 9, 9 Seiten;

Koch, Karin; Kundt, Matthias; Eremin, Alexey; Nadasib, Hajnalka; Schmidt, Annette M.

Efficient ferronematic coupling with polymer-brush particles
Physical chemistry, chemical physics: PCCP ; a journal of European chemical societies - Cambridge: RSC Publ.,
1999, Bd. 22.2020, 4, S. 2087-2097;
[Imp.fact.: 3.43]

Kullig, Julius; Jiang, Xuefeng; Yang, Lan; Wiersig, Jan

Microstar cavities - an alternative concept for the confinement of light
Physical review research - College Park, MD: APS, 2019, Volume 2 (2020), issue 1, article 012072(R), 6 Seiten;

Kullig, Julius; Wiersig, Jan

Weakly deformed optical microdisks - a third-order perturbation theory for transverse-magnetic modes
Journal of physics communications - Bristol: IOP Publishing Ltd., 2017 . - 2020;
[Online first]

Kupko, Timm; Helversen, Martin; Rickert, Lucas; Schulze, Jan-Hindrik; Strittmatter, André; Gschrey, Manuel; Rodt, Sven; Reitzenstein, Stephan; Heindel, Tobias

Tools for the performance optimization of single-photon quantum key distribution
npj Quantum information - London: Nature Publ. Group, 2015, Vol. 6(2020), article number 29, 8 Seiten;
[Imp.fact.: 7.286]

Kurachkina, Marharyta; Nádasi, Hajnalka; Alaasar, Mohamed; Tschierske, Carsten; Eremin, Alexey

Photomanipulation of the mechanical properties in a liquid crystal with azocontaining bentcore mesogens
ChemPhotoChem - Weinheim : Wiley-VCH, Bd. 4.2020, 11, insges. 9 S.
[Imp.fact.: 2.838]

Kuzmin, M. D.; Kuzian, R. O.; Richter, Johannes

Ferromagnetism of the semi-simple cubic lattice

The European physical journal / Plus - Berlin: Springer, 2011, Volume 135 (2020), article 135, 17 Seiten;
[Imp.fact.: 3.228]

König, Rebecca E.; Stucht, Daniel; Baecke, Sebastian; Rashidi, Ali; Speck, Oliver; Sandalcioglu, I. Erol; Luchtman, Michael

Phase-contrast MRI detection of ventricular shunt CSF flow - proof of principle

Journal of neuroimaging: official journal of the American Society of Neuroimaging - Berlin [u.a.]: Wiley-Blackwell, 1991, Bd. 30.2020, 6, S. 746-753;
[Imp.fact.: 2.321]

Lee, Sang-Hyeon; Harth, Kirsten; Rump, Maaïke; Kim, Minwoo; Lohse, Detlef; Fezzaa, Kamel; Je, Jung Ho

Drop impact on hot plates - contact times, lift-off and the lamella rupture

Soft matter - London: Royal Soc. of Chemistry, 2005, Bd. 16.2020, 34, S. 7935-7949;
[Imp.fact.: 3.14]

Lee, Sang-Hyeon; Rump, Maaïke; Harth, Kirsten; Kim, Minwoo; Lohse, Detlef; Fezzaa, Kamel; Je, Jung Ho

Downward jetting of a dynamic Leidenfrost drop

Physical review fluids - College Park, MD: APS, 2016, Volume 5 (2020), issue 7, article 074802;
[Imp.fact.: 2.442]

Li, Fenfang; Cima, Igor; Vo, Jess Honganh; Tan, Min-Han; Ohl, Claus-Dieter

Single cell hydrodynamic stretching and microsieving reveal genetic, phenotypic and treatment-related links to cellular deformability

Micromachines - Basel: MDPI, 2010, Volume 11 (2020), issue 5, article 486, 13 Seiten;
[Imp.fact.: 2.426]

Liebing, Phil; Edelmann, Frank T.

Trifluoromethylated 3(Pyrazolyl)propanamide (PPA) ligands

Helvetica chimica acta - New York, NY: Wiley-VCH, 1918 . - 2020;
[Online first]
[Imp.fact.: 2.309]

Liu, F.; Rong, X.; Yu, Y.; Wang, T.; Sheng, B. W.; Wei, J. Q.; Liu, S. F.; Yang, J. J.; Bertram, Frank; Xu, F. J.; Yang, X. L.; Zhang, Z. H.; Qin, Z. X.; Zhang, Y. T.; Shen, B.; Wang, X. Q.

Thermally annealed wafer-scale h-BN films grown on sapphire substrate by molecular beam epitaxy

Applied physics letters - Melville, NY: American Inst. of Physics, 1962, Volume 116 (2020), issue 14, article 142104;
[Imp.fact.: 3.521]

Mattern, Hendrik; Knoll, Martin; Lüsebrink, Falk; Speck, Oliver

Chemical shift-based prospective kspace anonymization

Magnetic resonance in medicine: MRM ; an official journal of the International Society for Magnetic Resonance in Medicine - New York, NY [u.a.]: Wiley-Liss, 1984, Bd. 85.2020, 2, S. 962-969;
[Imp.fact.: 3.635]

McClarty, Paul A.; Haque, Masudul; Sen, Arnab; Richter, Johannes

Disorder-free localization and many-body quantum scars from magnetic frustration

Physical review - Woodbury, NY: Inst., 2016, Volume 102(2020), issue 22, article 224303, 15 Seiten;
[Imp.fact.: 3.575]

Missaoui, Amine; Harth, Kirsten; Salamon, Peter; Stannarius, Ralf

Annihilation of point defect pairs in freely suspended liquid-crystal films

Physical review research - College Park, MD: APS, 2019, Volume 2(2020), issue 1, article 013080, 8 Seiten;

Mohammadi, Mahdiah; Harth, Kirsten; Puzyrev, Dmitry; Hanselka, Tina; Trittel, Torsten; Stannarius, Ralf

Dynamics of self-propelled particles passing a bottleneck

New journal of physics: the open-access journal for physics - [Bad Honnef]: Dt. Physikalische Ges., 1999 . - 2020;

[Online first]

[Imp.fact.: 3.539]

Ning, Pingfan; Grümbel, Jona; Bläsing, Jürgen; Goldhahn, Rüdiger; Jeon, Dae-Woo; Feneberg, Martin

Lattice vibrations and optical properties of α -Ga₂O₃ films grown by halide vapor phase epitaxy

Semiconductor science and technology: devoted exclusively to semiconductor research and applications ... - Bristol: IOP Publ., 1986, Volume 35 (2020), issue 9, article 095001, 7 Seiten;

Nykteri, Georgia; Koukouvinis, Phoevos; Gonzalez Avila, Silvestre Roberto; Ohl, Claus-Dieter; Gavaises, Manolis

A - two-fluid model with dynamic local topology detection - application to high-speed droplet impact

Journal of computational physics - Amsterdam: Elsevier, 1961, Volume 408 (2020), article 109225;

[Imp.fact.: 2.845]

Nádasi, Hajnalka; Lischka, Christiane; Weissflog, Wolfgang; Wirth, Ina

B2-B4 dimorphism in a new series of banana-shaped mesogens

Molecular crystals and liquid crystals - London [u.a.]: Taylor & Francis, Bd. 399.2003, 1, S. 69-84

[Imp.fact.: 0.512]

Perosa, Valentina; Bartels, Claudius; Godenschweger, Frank; Speck, Oliver; Heinze, Hans-Jochen; Vielhaber, Stefan; Schreiber, Stefanie

Contrast-enhancement in the wall of a cerebral fusiform aneurysm in neuroborreliosis at 7 T MRI

Journal of the neurological sciences: official journal of the World Federation of Neurology - Amsterdam [u.a.]: Elsevier Science, 1964, Volume 418.2020, article 117112;

[Imp.fact.: 3.115]

Perosa, Valentina; Priester, Anastasia; Ziegler, Gabriel; Cardenas-Blanco, Arturo; Dobisch, Laura; Spallazzi, Marco; Assmann, Anne; Maass, Anne; Speck, Oliver; Oltmer, Jan; Heinze, Hans-Jochen; Schreiber, Stefanie; Düzel, Emrah

Erratum: Hippocampal vascular reserve associated with cognitive performance and hippocampal volume

Brain: a journal of neurology - Oxford: Oxford Univ. Press, 1878, Volume 143(2020), issue 5, page e43;

Perosa, Valentina; Priester, Anastasia; Ziegler, Gabriel; Cardenas-Blanco, Arturo; Dobisch, Laura; Spallazzi, Marco; Assmann, Anne; Maass, Anne; Speck, Oliver; Oltmer, Jan; Heinze, Hans-Jochen; Schreiber, Stefanie; Düzel, Emrah

Hippocampal vascular reserve associated with cognitive performance and hippocampal volume

Brain: a journal of neurology - Oxford: Oxford Univ. Press, 1878, Bd. 143.2020, 2, S. 622-634;

[Imp.fact.: 11.337]

Pfeiffer, Patricia; Ohl, Claus-Dieter

Spreading of soap bubbles on dry and wet surfaces

Scientific reports - [London]: Macmillan Publishers Limited, part of Springer Nature, 2011, Volume 10(2020), article-number 13188, 9 Seiten;

[Imp.fact.: 3.998]

Pfeiffer, Patricia; Zeng, Qingyun; Tan, Beng Hau; Ohl, Claus-Dieter

Merging of soap bubbles and why surfactant matters

Applied physics letters - Melville, NY: American Inst. of Physics, 1962, Volume 116 (2020), issue 10, article 103702;

Podemski, Pawe; Musia, Anna; Gawarecki, Krzysztof; Maryski, Aleksander; Gontar, Przemyslaw; Bercha, Artem; Trzeciakowski, Witold A.; Srocka, Nicole; Heuser, Tobias; Quandt, David; Strittmatter, André; Rodt, Sven; Reitzenstein, Stephan; Sk, Grzegorz

Interplay between emission wavelength and s-p splitting in MOCVD-grown InGaAs/GaAs quantum dots emitting above 1.3 μ m

Applied physics letters - Melville, NY: American Inst. of Physics, 1962, Volume 116 (2020), issue 2, article

023102, 6 Seiten;

[Imp.fact.: 3.4]

Pollmann, Stefan; Geringswald, Franziska; Wei, Ping; Porracin, Eleonora

Intact contextual cueing for search in realistic scenes with simulated central or peripheral vision loss

Translational Vision Science & Technology: TVST - Rockville, Md.: ARVO, 2012, Bd. 9.2020, 8, insges. 11 S.;

Puzyrev, Dmitry; Harth, Kirsten; Trittel, Torsten; Stannarius, Ralf

Machine learning for 3D particle tracking in granular gases

Microgravity science and technology: international journal for microgravity research and applications - Heidelberg:

Springer, 2007 . - 2020;

[Online first]

[Imp.fact.: 1.845]

Rapet, Julien; Quinto-Su, Pedro A.; Ohl, Claus-Dieter

Cavitation inception from transverse waves in a thin liquid gap

Physical review applied - College Park, Md. [u.a.]: American Physical Society, 2014, Bd. 14.2020, 2;

[Imp.fact.: 4.194]

Rüling, Florian; Kolley, Francine; Eremin, Alexey

Diffusive dynamics of elongated particles in active colloidal suspensions of motile algae

Colloid & polymer science: official journal of the Kolloid-Gesellschaft - Berlin: Springer, 1906 . - 2020;

[Online first]

[Imp.fact.: 1.906]

Sabel, Bernhard A.; Abd Hamid, Aini Ismafairus Binti; Borrmann, Carolin; Speck, Oliver; Antal, Andrea

Transorbital alternating current stimulation modifies BOLD activity in healthy subjects and in a stroke patient with hemianopia - a 7 Tesla fMRI feasibility study

International journal of psychophysiology: official journal of the International Organization of Psychophysiology - Amsterdam [u.a.]: Elsevier Science, 1983, Bd. 154.2020, S. 80-92;

[Imp.fact.: 2.631]

Saha, Rony; Feng, Chenrun; Eremin, Alexey; Jákli, Antal

Antiferroelectric bent-core liquid crystal for possible high-power capacitors and electrocaloric devices

Crystals: open access journal - Basel: MDPI, 2011, Volume 10 (2020), issue 8, article 652, 11 Seiten;

[Imp.fact.: 2.404]

Salamon, Péter; Geng, Yong; Eremin, Alexey; Stannarius, Ralf; Klein, Susanne; Börzsönyi, Tamás

Rheological and flow birefringence studies of rod-shaped pigment nanoparticle dispersions

Journal of molecular liquids: an international journal devoted to fundamental aspects of structure, interactions and dynamic processes in simple, molecular and complex liquids - New York, NY [u.a.]: Elsevier, 1983, Volume 313 (2020), article 113401, 9 Seiten;

[Imp.fact.: 4.561]

Sana, Prabha; Seneza, Cleophace; Berger, Christoph; Witte, Hartmut; Schmidt, Marc-Peter; Bläsing, Jürgen; Neugebauer, Silvio; Hörich, Florian; Dadgar, Armin; Strittmatter, André

Low-resistivity vertical current transport across AlInN/GaN interfaces

Japanese journal of applied physics: JJAP - Bristol: IOP Publ., 1962 . - 2020, insges. 12 S.;

[Online first]

[Imp.fact.: 2.913]

Schettino, Antonio; Porcu, Emanuele; Gundlach, Christopher; Keitel, Christian; Müller, Matthias M.

Rapid processing of neutral and angry expressions within ongoing facial stimulus streams - is it all about isolated facial features?

PLOS ONE - San Francisco, California, US: PLOS, 2006, Volume 15 (2020), issue 4, article e0231982, 30 Seiten;

[Imp.fact.: 2.776]

Schmelzer, Janett; Rittinghaus, Silja-Katharina; Gruber, Karl; Veit, Peter; Weisheit, Andreas; Krüger, Manja

Printability and microstructural evolution of a near-eutectic three-phase V-based alloy
Additive manufacturing - Amsterdam [u.a.]: Elsevier, 2014, Vol. 34 (2020), Artikelnummer 101208;

Schnack, Jürgen; Richter, Johannes; Heitmann, Tjark; Richter, Jonas; Steinigeweg, Robin

Finite-size scaling of typicality-based estimates
Zeitschrift für Naturforschung / A - Berlin: De Gruyter, 1947, Bd. 75.2020, 5, S. 465-473;

Schnack, Jürgen; Richter, Johannes; Steinigeweg, Robin

Accuracy of the finite-temperature Lanczos method compared to simple typicality-based estimates
Physical review research - College Park, MD: APS, 2019, Volume 2(2019), issue 1, article 013186, 12 Seiten, 2020;

Schnack, Jürgen; Schulenburg, Jörg; Honecker, Andreas; Richter, Johannes

Magnon crystallization in the kagome lattice antiferromagnet
Physical review letters - College Park, Md.: APS, 1958, Volume 125 (2020), issue 11, article 117207, 7 Seiten;
[Imp.fact.: 8.385]

Sheng, Bowen; Bertram, Frank; Schmidt, Gordon; Veit, Peter; Müller, Marcus; Wang, Ping; Sun, Xiaoxiao; Qin, Zhixin; Shen, Bo; Wang, Xinqiang; Christen, Jürgen

Cathodoluminescence nano-characterization of individual GaN/AlN quantum disks embedded in nanowires
Applied physics letters - Melville, NY : American Inst. of Physics - Volume 117(2020), article 133106, 6 Seiten
[Imp.fact.: 3.4]

Sheng, Bowen; Schmidt, Gordon; Bertram, Frank; Veit, Peter; Wang, Yixin; Wang, Tao; Rong, Xin; Chen, Zhaoying; Wang, Ping; Bläsing, Jürgen; Miyake, Hideto; Li, Hongwei; Guo, Shiping; Qin, Zhixin; Strittmatter, André; Shen, Bo; Christen, Jürgen; Wang, Xinqiang

Individually resolved luminescence from closely stacked GaN/AlN quantum wells
Photonics research - Washington, DC: OSA, 2013, Bd. 8.2020, 4, S. 610-615;
[Imp.fact.: 5.522]

Sprenger, Alexander R.; Shaik, Vaseem A.; Ardekani, Arezoo M.; Lisicki, Maciej; Mathijssen, Arnold J. T. M.; Guzmán-Lastra, Francisca; Löwen, Hartmut; Menzel, Andreas M.; Daddi-Moussa-Ider, Abdallah

Towards an analytical description of active microswimmers in clean and in surfactant-covered drops
The European physical journal / E - Berlin: Springer, 2000, Volume 43 (2020), article 58, 18 Seiten;

Tan, Beng Hau; An, Hongjie; Ohl, Claus-Dieter

How bulk nanobubbles might survive
Physical review letters - College Park, Md.: APS, 1958, Volume 124 (2020), issue 13, article 134503;
[Imp.fact.: 9.227]

Tortora, Marco; Meloni, Simone; Tan, Beng Hau; Giacomello, Alberto; Ohl, Claus-Dieter; Casciola, Carlo Massimo

The interplay among gas, liquid and solid interactions determines the stability of surface nanobubbles
Nanoscale - Cambridge: RSC Publ., 2009, Bd. 44.2020, S. 22698-22709;

Wang, Lai; Wang, Xun; Bertram, Frank; Sheng, Bowen; Hao, Zhibiao; Luo, Yi; Sun, Changzheng; Xiong, Bing; Han, Yanjun; Wang, Jian; Li, Hongtao; Schmidt, Gordon; Veit, Peter; Christen, Jürgen; Wang, Xinqiang

Color-tunable 3D InGaN/GaN multi-quantum-well light-emitting-diode based on microfacet emission and programmable driving power supply
Advanced optical materials - Weinheim: Wiley-VCH, 2013 . - 2020;
[Online first]
[Imp.fact.: 8.286]

Wiersig, Jan

Prospects and fundamental limits in exceptional point-based sensing
Nature Communications - [London]: Nature Publishing Group UK, 2010, Volume 11 (2020), issue 1, article 2454, 3 Seiten;
[Imp.fact.: 11.878]

Wiersig, Jan

Review of exceptional point-based sensors
Photonics research - Washington, DC: OSA, 2013, Bd. 8.2020, 9, S. 1457-1467;
[Imp.fact.: 5.522]

Wiersig, Jan

Robustness of exceptional-point-based sensors against parametric noise - the role of Hamiltonian and Liouvillian degeneracies
Physical review - Woodbury, NY: Inst., 2016, Volume 101(2020), 5, article 053846, insgesamt 9 Seiten;
[Imp.fact.: 2.907]

Yaccuzzi, Exequiel; Di Napoli, Solange; Liscia, Emiliano; Suárez, Sergio; Alurralde, Martín; Strittmatter, André; Plá, Juan; Giudici, Paula

Experimental re-evaluation of proton penetration ranges in GaAs and InGaP
Journal of physics - Bristol : IOP Publ., 2020 ;
[Online first]
[Imp.fact.: 2.902]

Yi, Chang-Hwan; Lee, Ji-Won; Ryu, Jinhyeok; Kim, Ji-Hwan; Yu, Hyeon-Hye; Gwak, Sunjae; Oh, Kwang-Ryong; Wiersig, Jan; Kim, Chil-Min

Robust lasing of modes localized on marginally unstable periodic orbits
Physical review - Woodbury, NY: Inst., 2016, Volume 101(2020), 5, article 053809, insgesamt 6 Seiten;
[Imp.fact.: 2.907]

Zeng, Qingyun; Gonzalez-Avila, Silvestre Roberto; Ohl, Claus-Dieter

Splitting and jetting of cavitation bubbles in thin gaps
Journal of fluid mechanics - Cambridge [u.a.]: Cambridge Univ. Press, 1956, Volume 896 (2020), article A28, 28 Seiten;
[Imp.fact.: 3.137]

NICHT BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Averkov, Gennadiy; Borger, Christoph; Soprunov, Ivan

Classification of triples of lattice polytopes with a given mixed volume
De.arxiv.org - [S.l.]: Arxiv.org, 1991, 2020, article 1902.00891, 60 Seiten;

Chatterjee, Soumick; Prabhu, Kartik; Pattadkal, Mahantesh; Bortsova, Gerda; Dubost, Florian; Mattern, Hendrik; Bruijne, Marleen; Speck, Oliver; Nürnberger, Andreas

DS6: deformation-aware learning for small vessel segmentation with small, imperfectly labeled dataset
De.arxiv.org - [S.l.]: Arxiv.org, 1991, 2020, article 2006.10802, insgesamt 13Seiten;

Chatterjee, Soumick; Saad, Fatima; Sarasaen, Chompunuch; Ghosh, Suhita; Khatun, Rupali; Radeva, Petia; Rose, Georg; Stober, Sebastian; Speck, Oliver; Nürnberger, Andreas

Exploration of interpretability techniques for deep COVID-19 classification using chest X-ray images
De.arxiv.org - [S.l.]: Arxiv.org, 1991, 2020, article 2006.02570, insgesamt 16 Seiten;

Kavur, A. Emre; Gezer, N. Sinem; Bar, Mustafa; Aslan, Sinem; Conze, Pierre-Henri; Groza, Vladimir; Pham, Duc Duy; Chatterjee, Soumick; Ernst, Philipp; Özkan, Sava; Baydar, Bora; Lachinov, Dmitry; Han, Shuo; Pauli, Josef; Isensee, Fabian; Perkonigg, Matthias; Sathish, Rachana; Rajan, Ronnie; Sheet, Debdoot; Dovletov, Gurbandurdy; Speck, Oliver; Nürnberger, Andreas; Maier-Hein, Klaus H.; Akar, Gözde Bozda; Ünal, Gözde; Dicle, Ouz; Selver, M. Alper.

CHAOS challenge - combined (CT-MR) healthy abdominal organ segmentation
De.arxiv.org - [S.l.]: Arxiv.org, 1991, 2020, article 2001.06535, insgesamt 19 Seiten;

ARTIKEL IN ZEITSCHRIFT

Poppe, Marco; Alaasar, Mohamed; Lehmann, Anne; Poppe, Silvio; Tamba, Maria-Gabriela; Kurachkina, Marharyta; Eremin, Alexey; Nagaraj, Mamatha; Vij, Jagdish K.; Cai, Xiaoqian; Liu, Feng; Tschierske, Carsten

Controlling the formation of heliconical smectic phases by molecular design of achiral bent-core molecules
Journal of materials chemistry / C - London [u.a.]: RSC, 2013, Bd. 8.2020, 10, S. 3316-3336;
[Imp.fact.: 7.059]

BEGUTACHTETE BUCHBEITRÄGE

Bertram, Frank; Berger, Christoph; Christen, Jürgen; Eisele, Holger; Greif, Ludwig A. Th.; Hoffmann, Axel; Maultzsch, Janina; Müller, Marcus; Poliani, Emanuele; Schmidt, Gordon; Veit, Peter; Wagner, Markus R.

Optical and structural properties of nitride based nanostructures
Semiconductor Nanophotonics : Materials, Models, and Devices , 1st ed. 2020. - Cham : Springer International Publishing , 2020 ; Kneissl, Michael, S. 135-201 - (Springer series in solid-state sciences; 194)

Owschimikow, Nina; Herzog, Bastian; Lingnau, Benjamin; Lüdge, Kathi; Lenz, Andrea; Eisele, Holger; Dähne, Mario; Niermann, Tore; Lehmann, Mario; Schliwa, Andrei; Strittmatter, André; Pohl, Udo W.

Submonolayer quantum dots
Semiconductor Nanophotonics: Materials, Models, and Devices - Cham: Springer International Publishing, 2020;
Kneissl, Michael . - 2020, S. 13-51 - (Springer series in solid-state sciences; 194);

Pohl, Udo W.; Strittmatter, André; Schliwa, A.; Lehmann, M.; Niermann, T.; Heindel, T.; Reitzenstein, S.; Kantner, M.; Bandelow, U.; Koprucki, T.; Wünsche, H.-J.

Stressor-induced site control of quantum dots for single-photon sources
Semiconductor Nanophotonics: Materials, Models, and Devices - Cham: Springer International Publishing, 2020;
Kneissl, Michael . - 2020, S. 53-90 - (Springer series in solid-state sciences; 194);

Preetha, Chandrakanth Jayachandran; Mattern, Hendrik; Juneja, Medha; Vogt, Johannes; Speck, Oliver; Hartkens, Thomas

Entropy-based SVM classifier for automatic detection of motion artifacts in clinical MRI
Bildverarbeitung für die Medizin 2020: Algorithmen Systeme Anwendungen. Proceedings des Workshops vom 15. bis 17. März 2020 in Berlin - Wiesbaden: Springer Fachmedien Wiesbaden, 2020; Tolxdorff, Thomas . - 2020, S. 107-112;
[Workshop: Bildverarbeitung für die Medizin 2020, Berlin, 15. bis 17. März 2020]

Punzet, Daniel; Frysch, Robert; Beuing, Oliver; Speck, Oliver; Rose, Georg

3D-localization of anatomic structures in tomographic images from optical flow of projection images
Proceedings of SPIE/ SPIE - Bellingham, Wash.: SPIE, 1963, Bd. 11312.2020, S. 654-659;
[Konferenz: Medical Imaging 2020, 15-20 February 2020]

Schmidt, Gordon; Berger, Christoph; Dadgar, Armin; Bertram, Frank; Veit, P.; Metzner, Susanne; Strittmatter, André; Christen, Jürgen; Jagsch, S. T.; Wagner, M. R.; Hoffmann, A.

Nitride microcavities and single quantum dots for classical and non-classical light emitters
Semiconductor Nanophotonics : Materials, Models, and Devices , 1st ed. 2020. - Cham : Springer International Publishing , 2020 ; Kneissl, Michael, S. 453-504 - (Springer series in solid-state sciences; 194)

LEHRBÜCHER

Specht, Eckard; Quaisser, Erhard; Bauermann, Patrick

50 Jahre Bundeswettbewerb Mathematik - die schönsten Aufgaben : mit Beiträgen aus der Algebra, Geometrie, Kombinatorik und Zahlentheorie sowie über 320 Abbildungen und einer vollständigen Zusammenstellung aller Wettbewerbsaufgaben 1970-2020

[Heidelberg]: Springer Spektrum, 2020, 2., erweiterte Auflage, viii, 393 Seiten, Illustrationen, 23.5 cm x 15.5 cm

NICHT BEGUTACHTETE BUCHBEITRÄGE

Chatterjee, Soumick; Putti, Praveen; Nürnberger, Andreas; Speck, Oliver

Wavelet filtering of undersampled MRI using trainable wavelets and CNN

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Kongress: ESMRMB 2020 Online Convergence Science & Education, September 30 - October 2, 2020]

Chatterjee, Soumick; Sciarra, Alessandro; Dünnwald, Max; Oeltze-Jafra, Steffen; Nürnberger, Andreas; Speck, Oliver

Retrospective motion correction of MR images using prior-assisted deep learning

ResearchGATE : scientific neetwork ; the leading professional network for scientists - Cambridge, Mass. : ResearchGATE Corp. , 2010 - 2020, insgesamt 5 Seiten ;

[Konferenz: Medical Imaging Meets NeurIPS 2020, virtual, December 2020]

Kullig, Julius; Yi, Chang-Hwan; Wiersig, Jan

Resonance-assisted tunneling in weakly deformed microdisk cavities

Ultra-high-q optical microcavities - World Scientific, 2020; Xiao, Yun-Feng . - 2020, S. 315-358;

Mattern, Hendrik; Sciarra, Alessandro; Dünnwald, Max; Chatterjee, Soumick; Müller, Ursula; Oeltze-Jafra, Steffen; Speck, Oliver

Contrast prediction-based regularization for iterative reconstructions (PROSIT)

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Konferenz: ISMRM & SMRT Virtual Conference & Exhibition, 08-14 August 2020]

Mitta, Dhanunjaya; Chatterjee, Soumick; Speck, Oliver; Nürnberger, Andreas

Unsupervised learning for Abdominal MRI Segmentation using 3D Attention W-Net

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Konferenz: ISMRM & SMRT Virtual Conference & Exhibition, 08-14 August 2020]

Mitta, Dhanunjaya; Chatterjee, Soumick; Speck, Oliver; Nürnberger, Andreas

Upgraded W-net with attention gates and its application in unsupervised 3D liver segmentation

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Konferenz: ICPRAM 2021]

Sarasaen, Chompunuch; Chatterjee, Soumick; Nürnberger, Andreas; Speck, Oliver

Super resolution of dynamic MRI using deep learning, enhanced by prior-knowledge

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Kongress: ESMRMB 2020 Online Convergence Science & Education, September 30 - October 2, 2020]

Sciarra, Alessandro; Chatterjee, Soumick; Dünnwald, Max; Speck, Oliver; Oeltze-Jafra, Steffen

Evaluation of deep learning techniques for motion artifacts removal

ResearchGATE: scientific neetwork ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Konferenz: ISMRM & SMRT Virtual Conference & Exhibition, 08-14 August 2020]

Sciarra, Alessandro; Dünnwald, Max; Chatterjee, Soumick; Speck, Oliver; Oeltze-Jafra, Steffen

Classification of motion corrupted brain MR images using deep learning techniques

ResearchGATE: scientific network ; the leading professional network for scientists - Cambridge, Mass.: ResearchGATE Corp., 2010 . - 2020;

[Kongress: ESMRMB 2020 Online Convergence Science & Education, September 30 - October 2, 2020]

ABSTRACTS

Badel, Manuel; Wiersig, Jan

Corrected perturbation theory for transverse-electric whispering-gallery modes in deformed microdisks

DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 39.2 ;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Baron, Elias; Goldhahn, Rüdiger; Deppe, Michael; As, Donat J.; Feneberg, Martin

Impact of high free-carrier concentrations on optical properties of cubic GaN

DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 68.1 ;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Berger, Christoph; Neugebauer, Silvio; Seneza, Cleophace; Witte, Hartmut; Bläsing, Jürgen; Dadgar, Armin; Strittmatter, André

GaN:Ge as transparent conductive nitride contact layer for blue tunnel-junction LEDs

DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: HL 8.3;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Billette, Ornella V.; Ziegler, Gabriel; Schütze, Hartmut; Schott, Björn H.; Richter, Anni; Cardenas-Blanco, Arturo; Metzger, Coraline D.; Bittner, Daniel; Glanz, Wenzel; Spottke, Annika; Brosseron, Frederic; Buerger, Katharina; Fließbach, Klaus; Heneka, Michael T.; Laske, Christoph; Nestor, Peter J.; Priller, Josef; Schneider, Anja; Speck, Oliver; Teipel, Stefan J.; Peters, Oliver; Wiltfang, Jens; Pernecky, Robert; Wagner, Michael; Jessen, Frank; Maass, Anne; Düzel, Emrah

A high fMRI activation deviation score is linked to worse clinical phenotype and A β 42/40 positivity

Alzheimer's Association International Conference: abstracts - Alzheimer's Association, 2020 . - 2020;

[Konferenz: Alzheimer's Association International Conference, virtual, 27. - 31. July 2020]

Börzsönyi, Tamás; Pongó, Tivadar; Stiga, Viktória; Török, János; Lévy, Sára; Szabó, Balázs; Stannarius, Ralf

Is the hourglass always flowing with a constant speed?

DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 50.6;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Clark, Noel Anthony; Park, Cheol; Minor, Eric; MacLennan, Joseph E.; Glaser, Matthew; Trittel, Torsten; Eremin, Alexey; Harth, Kirsten; Stannarius, Ralf

Temperature-gradient-induced thermomigration in smectic liquid crystal bubbles and freely suspended films in microgravity

Meetings/ American Physical Society - College Park, Md.: APS, 1995, 2020, abstract: J31.00010;

[APS March Meeting 2020, Denver, Colorado, March 2-6, 2020]

Gerlach, Thomas; Alpers, Julian; Pannicke, Enrico; Hansen, Christian; Speck, Oliver; Vick, Ralf

Power control for an MRI ablation hybrid system

ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 4217;

[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Grothe, Isa Hedda; Wiersig, Jan

Radiative coupling between quantum-dot emitters in bimodal microcavity lasers

DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 18.7 ;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Grümbel, Jona; Ning, Pingfan; Bläsing, Jürgen; Jeon, Dae-Woo; Feneberg, Martin; Goldhahn, Rüdiger
Raman-Spectroscopy of corundum-like α -Ga₂O₃ grown by HVPE
DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 72.2 ;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Harth, Kirsten; Lee, Sang-Hyeon; Rump, Maaïke; Kim, Minwoo; Lohse, Detlef; Fezzaa, Kamel; Je, Jung Ho
Drop impact on hot plates - contact, lift-off and the formation of holes
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: 87.9;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Harth, Kirsten; Missaoui, Amine; Salamon, Peter; Stannarius, Ralf
Defect annihilation 2D using free-standing smectic films
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 24.6;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Iamshchinina, Polina; Kaiser, Daniel; Yakupov, Renat; Haenelt, Daniel; Sciarra, Alessandro; Mattern, Hendrik; Duezel, Emrah; Speck, Oliver; Weiskopf, Nikolaus; Martin Cichy, Radoslaw
Perceived and mentally rotated contents are differentially represented in cortical layers of V1
Journal of vision: an ARVO journal ; JOV - Rockville, Md.: ARVO, 2001, Bd. 20.2020, 11, S. 766;
[Meeting: 20th Annual Meeting of the Vision Science Society]

Klopp, Christoph; Stannarius, Ralf; Eremin, Alexey
Coalescence of liquid droplets in a quasi 2D liquid films
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 41.1;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Klopp, Christoph; Trittel, Torsten; Eremin, Alexey; Harth, Kirsten; Stannarius, Ralf; Park, Cheol; MacLennan, Joseph E.; Clark, Noel Anthony
Structure and dynamics of a two-dimensional colloid of liquid droplets
Meetings/ American Physical Society - College Park, Md.: APS, 1995, 2020, abstract: J31.00006;
[APS March Meeting 2020, Denver, Colorado, March 2-6, 2020]

Kluth, Elias; Lange, Karsten; Wienecke, Matthias; Bläsing, Jürgen; Witte, Hartmut; Dadgar, Armin; Goldhahn, Rüdiger; Feneberg, Martin
Size-effect of donors on the lattice parameters of wurzite GaN
DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 68.3 ;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Kowal, Robert; Prier, Marcus; Pannicke, Enrico; Röhl, Stefan; Vick, Ralf; Speck, Oliver
From PCB to simulation - a workflow instruction for designing birdcage models from production data
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, 1993, Volume 33(2020), Suppl. 1, Seite S163-164;
[Meeting: ESMRMB 2020 online, September 30 - October 2, 2020]

Kullig, Julius; Jiang, Xuefeng; Yang, Lan; Wiersig, Jan
Microstar cavities - an alternative concept for the confinement of light
DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 39.4 ;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Kullig, Julius; Jiang, Xuefeng; Yang, Lan; Wiersig, Jan
Microstar cavities for light confinement without reflection
Workshop on Theoretical and Numerical Tools for Nanophotonics, TNTN 2020 : comprising OWTNM 2020 -XXVIII International Workshop on Optical Wave & Waveguide Theory and Numerical Modelling and 13th Annual Meeting Photonic Devices : Date: 12-14 February 2020, Location: Zuse Institute Berlin, Germany : [Programm, Book of Abstracts]- Berlin , 2020, S. 41 ;
[Workshop on Theoretical and Numerical Tools for Nanophotonics, TNTN 2020, Berlin, 12-14 February 2020]

Lévay, Sára; Fischer, David; Stannarius, Ralf; Börzsönyi, Tamás; Somfai, Ellák; Török, János

Applying Edwards theory for a 2+ dimensional frustrated granular system

DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 50.3;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Lüsebrink, Falk; Mattern, Hendrik; Yakupov, Renat; Oeltze-Jafra, Steffen; Speck, Oliver

The human phantom - comprehensive ultrahigh resolution whole brain in vivo single subject dataset

ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 0533;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Martinez, Diego Sancho; Stannarius, Ralf; Shädel, Robin; Börzsönyi, Tamas

Is Janssen's effect still valid when simply filling a silo with non-moving bottom?

DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 50.2;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Mattern, Hendrik; Knoll, Martin; Lüsebrink, Falk; Speck, Oliver

Chemical shift based prospective k-space anonymization (CHARISMA)

ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 1049;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Mattern, Hendrik; Odenbach, Robert; Thoma, Niklas; Godenschweger, Frank; Speck, Oliver

Remotely controllable phantom rotation device for cross-calibration at 7T

ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 3372;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Mattern, Hendrik; Sciarra, Alessandro; Dünnwald, Max; Chatterjee, Soumick; Müller, Ursula; Oeltze-Jafra, Steffen; Speck, Oliver

Contrast prediction-based regularization for iterative reconstructions (PROSIT)

ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 3462;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Mattern, Hendrik; Speck, Oliver

Vessel distance mapping

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, 1993, Volume 33(2020), Suppl. 1, Seite S195;

[Meeting: ESMRMB 2020 online, September 30 - October 2, 2020]

Melcher, Boris; Gulyak, Boris; Wiersig, Jan

Least biased steady state of open quantum systems

DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 79.1 ;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

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

Dynamic wrinkling of thin liquid crystal films

DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 24.4;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Nguyen, Duong; Harth, Kirsten; Goldfain, Aaron; Park, Cheol; MacLennan, Joseph E.; Glaser, Matthew; Clark, Noel Anthony

Coalescence dynamics of fluids in two dimensions - merging of Islands in freely-suspended smectic films

Meetings/ American Physical Society - College Park, Md.: APS, 1995, 2020, abstract: M29.00009;
[APS March Meeting 2020, Denver, Colorado, March 2-6, 2020]

Park, Cheol; Minor, Eric; MacLennan, Joseph E.; Glaser, Matthew; Clark, Noel Anthony; Klopp, Christoph; Trittel, Torsten; Stannarius, Ralf

Coarsening of two-dimensional island emulsions on smectic liquid crystal bubbles in microgravity
Meetings/ American Physical Society - College Park, Md.: APS, 1995, 2020, abstract: J31.00009;
[APS March Meeting 2020, Denver, Colorado, March 2-6, 2020]

Punzet, Daniel; Frysch, Robert; Khosroshahi, Elnaz; Beuing, Oliver; Speck, Oliver; Rose, Georg

Epipolar-constrained optical flow triangulation for the interior problem in CBCT
Online-programm: IEEE Nuclear Science Symposium & Medical Imaging Conference ; [in conjunction with the]27th International Symposium on Room-Temperature Semiconductor, 31 October - 7 November, 2020 - IEEE, 2020, 2020, Poster panel: 179;
[Symposium: 27th International Symposium on Room-Temperature Semiconductor, virtual, 31 October - 7 November, 2020]

Puzyrev, Dmitry; Harth, Kirsten; Trittel, Torsten; Stannarius, Ralf

Machine Learning aided tracking of rod-like particles in 3D microgravity experiments on granular gases
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 33.3;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Rüling, Florian; Eremin, Alexey; Stannarius, Ralf

Impact of submillimetre-sized droplets on freely suspended liquid membranes
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: CPP 87.12;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Sciarra, Alessandro; Dünnwald, Max; Mattern, Hendrik; Speck, Oliver; Oeltze-Jafra, Steffen

Super-resolution with conditional-GAN for MR brain images
ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 3540;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Seneza, Cleophace; Berger, Christoph; Witte, Hartmut; Bläsing, Jürgen; Dempewolf, Anja; Dadgar, Armin; Christen, Jürgen; Strittmatter, André

Highly reflective and conductive AlInN/GaN distributed Bragg reflectors realized by Ge-doping
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: HL 30.27;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

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

Thermally driven material transport in thin freestanding films
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: DY 24.5;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Tung, Yi-Hang; Godenschweger, Frank; In, Myung-Ho; Sciarra, Alessandro; Speck, Oliver

Simultaneously multi-slice VAT-DIADEM at ultra-high field
ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 4370;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Witte, Hartmut; Seneza, Cleophace; Sana, Prabha; Berger, Christoph; Dadgar, Armin; Strittmatter, André

Thermally activated spreading resistance of Si- and Ge-doped lattice matched GaN/InAlN periodic stacks
DPG-Frühjahrstagung: Dresden, 15. - 20. März 2020 - Bad Honnef: DPG, 2020, 2020, Vortrag: HL 68.5;
[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Wollrab, Astrid; Kraff, Oliver; Speck, Oliver; Quick, Harald H.; Ladd, Mark E.

On the successful implementation of a first homogenized multicenter online safety training for ultrahigh field MRI
ISMRM 28th annual ISMRM virtual conference & exhibition, 08. - 14. August 2020: SMRT 29th annual meeting, Concord, CA./ ISMRM Annual Meeting & Exhibition, 2020, 2020, Poster 4168;
[ISMRM 28th annual ISMRM virtual conference & exhibition, virtual, 08. - 14. August 2020]

Wüthrich, Alwin; Feneberg, Martin; Galazka, Zbigniew; Goldhahn, Rüdiger

Phonons and free-carrier contributions of spinel ZnGa₂O₄ by spectroscopic ellipsometry

DPG-Frühjahrstagung : Dresden, 15. - 20. März 2020 - Bad Honnef : DPG , 2020 - 2020, Vortrag: HL 72.4 ;

[Tagung: DPG-Frühjahrstagung, Dresden, 15. - 20. März 2020]

Ziegler, Gabriel; Heinzinger, Nils; Metzger, Coraline D.; Yakupov, Renat; Bittner, Daniel; Glanz, Wenzel; Spottke, Annika; Brosseron, Frederic; Bürger, Katharina; Fließbach, Klaus; Heneka, Michael T.; Laske, Christoph; Nestor, Peter J.; Peters, Oliver; Priller, Josef; Ramirez, Alfredo; Schneider, Anja; Speck, Oliver; Teipel, Stefan J.; Wiltfang, Jens; Wagner, Michael; Düzel, Emrah; Jessen, Frank

Hippocampal volumetric variability is associated with memory in subjective cognitive decline

Alzheimer's Association International Conference: abstracts - Alzheimer's Association, 2020 . - 2020;

[Konferenz: Alzheimer's Association International Conference, virtual, 27. - 31. July 2020]

ANDERE MATERIALIEN

Gonzalez-Avila, Silvestre Roberto; Blokland, Anne Charlotte; Zeng, Qingyun; Ohl, Claus-Dieter

Jetting and shear stress enhancement from cavitation bubbles collapsing in a narrow gap

Journal of fluid mechanics - Cambridge [u.a.]: Cambridge Univ. Press, Volume 884 (2020), article A23, insgesamt 23 Seiten;

[Imp.fact.: 3.137]

DISSERTATIONEN

Fanaei, Masoumeh; Wiersig, Jan [AkademischeR BetreuerIn]

Effect of the second mode on the optical properties of quantum-dot microcavity lasers

Magdeburg, 2020, ix, 98 Seiten, Illustrationen, Diagramme, 30 cm;

[Literaturverzeichnis: Seite 82-94]

Freytag, Stefan; Feneberg, Martin [AkademischeR BetreuerIn]

Optische Untersuchung von semipolaren InGa_N/Ga_N-Quantengraben mit der Kristallorientierung (2021) und (2021)

Magdeburg, 2020, 114 Seiten, Illustrationen, Diagramme;

[Literaturverzeichnis: Seite 101-113]

Lüsebrink-Rindsland, Jann Falk Silvester; Speck, Oliver [AkademischeR BetreuerIn]

Die Aufnahme ultrahocho aufgelöster Magnetresonanztomographiedaten des menschlichen Gehirns in vivo und deren quantitative Analyse

Magdeburg, Dissertation Otto-von-Guericke-Universität Magdeburg, Fakultät für Naturwissenschaften 2020, 144 Seiten, Illustrationen, Diagramme, 30 cm ;

[Literaturverzeichnis: Seite 115-131]

Trittel, Torsten; Stannarius, Ralf [AkademischeR BetreuerIn]

Statische und dynamische Eigenschaften dünner smektischer Filme

Magdeburg, 2020, V, 117 Seiten, Illustrationen, Diagramme, 30 cm;

[Auf der CD: Dissertation im PDF-Format und Power-Point-Präsentation der Verteidigung, alle Abbildungen der Arbeit, ausgewählte Videoaufnahmen des experimentellen Vorgangs; Literaturverzeichnis: Seite 107-116]

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1. LEITUNG

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2. VERÖFFENTLICHUNGEN

BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Ball, Felix; Groth, Rosa-Marie; Agostino, Camila; Porcu, Emanuele; Noesselt, Toemme

Explicitly versus implicitly driven temporal expectations: No evidence for altered perceptual processing due to top-down modulations

Attention, perception, & psychophysics: AP&P - New York, NY: Springer, 2009, Bd. 82.2020, 4, S. 1793-1807; [Imp.fact.: 1.893]

Bobeth, Sebastian; Kastner, Ingo

Buying an electric car - a rational choice or a norm-directed behavior?

Transportation research / F - Amsterdam [u.a.]: Elsevier Science, 1998, Bd. 73.2020, S. 236-258; [Imp.fact.: 2.518]

Burnside, Rebecca; Ullsperger, Markus

Social comparison impacts stimulus evaluation in a competitive social learning task

PLOS ONE - San Francisco, California, US: PLOS, 2006, Volume 15 (2020), issue 6, article e0234397, 21 pages; [Imp.fact.: 2.74]

Emig, Y.; Kastner, Ingo

Akzeptanz von Windkraftanlagen in Deutschland - ein Review

Umweltpsychologie - Lengerich: Pabst Publishers, 1997, Bd. 24.2020, 1, S. 210-231

Frick, Vivian; Matthies, Ellen

Everything is just a click away - online shopping efficiency and consumption levels in three consumption domains

Sustainable production and consumption: official journal of the European Federation of Chemical Engineering - Amsterdam [u.a.]: Elsevier, 2015, Bd. 23.2020, S. 212-223;

Frick, Vivian; Matthies, Ellen; Thøgersen, John; Santarius, Tilman

Do online environments promote sufficiency or overconsumption? - online advertisement and social media effects on clothing, digital devices, and air travel consumption

Journal of consumer behaviour - Chichester: Wiley, 2001 . - 2020;

[Online first]

[Imp.fact.: 1.708]

GatzkeKopp, Lisa; Karayanidis, Frini; Bartholow, Bruce D.; Fabiani, Monica; Hess, Ursula; Hazlett, Erin A.; Larson, Christine L.; McTeague, Lisa; Moser, Jason; PageGould, Elizabeth; Sass, Sarah; Siltan, Rebecca; Ullsperger, Markus; Weinberg, Anna; Wieser, Matthias; YeeBradbury, Cindy

SPR statement on racial justice

Psychophysiology - Malden, Mass. [u.a.]: Wiley-Blackwell, 1964, Volume 57(2020), issue 8, article e13634; [Imp.fact.: 3.692]

Henn, Laura; Otto, Siegmar; Kaiser, Florian G.

Positive spillover - the result of attitude change

Journal of environmental psychology - London: Academic Press, 1981, Volume 69(2020), article 101429;
[Imp.fact.: 3.626]

Kaiser, Florian G.; Henn, Laura; Marschke, Beatrice

Financial rewards for long-term environmental protection

Journal of environmental psychology - London: Academic Press, 1981, Volume 68 (2020), article 101411;
[Imp.fact.: 3.626]

Kirschner, Hans; Humann, Jil; Derrfuss, Jan; Danielmeier, Claudia; Ullsperger, Markus

Neural and behavioral traces of error awareness

Cognitive, affective, & behavioral neuroscience: CABN ; a journal of the Psychonomic Society - New York, NY: Springer, 2001 . - 2020;

[Online first]

[Imp.fact.: 2.206]

Krause, Karen; Assmann, Tom; Schmidt, Stephan; Matthies, Ellen

Autonomous driving cargo bikes - introducing an acceptability-focused approach towards a new mobility offer

Transportation research interdisciplinary perspectives - Amsterdam: Elsevier Ltd., 2019, Volume 6 (2020), article 100135;

Marek, Nico; Pollmann, Stefan

Contextual-cueing beyond the initial field of view - a virtual reality experiment

Brain Sciences - Basel: MDPI AG, 2011, Volume 10.2020, issue 7, article 446, 9 Seiten;

[Imp.fact.: 3.332]

Matthies, Ellen; Becker, E.; Bobeth, Sebastian

CO₂-Bepreisung zwischen wirkungsvollem Instrument und Überforderung? - eine Pilotstudie zu Bedingungen der Akzeptabilität

Gaia: ecological perspectives for science and society / published by Verein Gaia - Konstanz, St. Gallen, Zürich ; in conjunction with Board of the Swiss Federal Institutes of Technology (ETH Board), Federal Ministry for Education and Research (BMBF) (Social-Ecological Research (SÖF)), Helmholtz Alliance Energy-Trans ...: ecological perspectives for science and society - München: ÖKOM-Verl., 1992, Bd. 29.2020, 4, S. 249-257

Müller, Sandra Verena; Klein, Tilmann; Benke, Thomas; Bohlhalter, Stephan; Hildebrandt, Helmut; Meiling, Claudia; Hucke, Birthe; Münte, Thomas; Penner, Iris-Katharina; Schwerdtfeger, Karsten; Thöne-Otto, Angelika; Wallesch, Claus-W.

Kurzfassung der S2e-Leitlinie Diagnostik und Therapie von exekutiven Dysfunktionen bei neurologischen Erkrankungen (AWMF-030/125)

Zeitschrift für Neuropsychologie: zugleich Organ der Gesellschaft für Neuropsychologie ; mit Mitteilungen der Deutschen Gesellschaft für Neurotraumatologie und Klinische Neuropsychologie - Bern: Huber, 1995 . - 2020, 31, S. 135-147;

Nigbur, Ronald; Ullsperger, Markus

Funny kittens - positive mood induced via short video-clips affects error processing but not conflict control

International journal of psychophysiology - Amsterdam [u.a.]: Elsevier Science, Bd. 147.2020, S. 147-155;

[Imp.fact.: 2.407]

Otto, Siegmar; Körner, Franziska; Marschke, Beatrice; Merten, Martin J.; Brandt, Steffen; Sotiriou, Sofoklis; Bogner, Franz X.

Deeper learning as integrated knowledge and fascination for science

International journal of science education - London [u.a.]: Taylor and Francis, 1979, Bd. 42.2020, 5, S. 807-834;

[Imp.fact.: 1.255]

Overbeck, Anne K.; Kibbe, Alexandra

Decoding activism - examining the influence of environmental attitude and proactivity on environmental activism

Umweltpsychologie - Bochum: GBI-Genios Deutsche Wirtschaftsdatenbank GmbH, 1997, Bd. 24.2020, 1, S. 183-190;

Pollmann, Stefan; Geringswald, Franziska; Wei, Ping; Porracin, Eleonora

Intact contextual cueing for search in realistic scenes with simulated central or peripheral vision loss
Translational Vision Science & Technology: TVST - Rockville, Md.: ARVO, 2012, Bd. 9.2020, 8, insges. 11 S.;

Pollmann, Stefan; Rosenblum, Lisa; Linnhoff, Stefanie; Porracin, Eleonora; Geringswald, Franziska; Herbig, Anne; Renner, Katja; Hoffmann, Michael

Preserved contextual cueing in realistic scenes in patients with age-related macular degeneration
Brain Sciences - Basel : MDPI AG - Vol. 10.2020, 12, Art.-Nr. 941, insgesamt 12 Seiten
[Imp.fact.: 3.332]

Pollmann, Stefan; Rosenblum, Lisa; Linnhoff, Stefanie; Porracin, Eleonora; Geringswald, Franziska; Herbig, Anne; Renner, Katja; Hoffmann, Michael B.

Preserved contextual cueing in realistic scenes in patients with age-related macular degeneration
Brain Sciences - Basel : MDPI AG - Volume 10(2020), issue 12, article 941, 12 Seiten
[Imp.fact.: 3.332]

Porcu, Emanuele; Benz, Karsta; Ball, Felix; Tempelmann, Claus; Hanke, Michael; Noesselt, Tömme

Macroscopic information-based taste representations in insular cortex are shaped by stimulus concentration
Proceedings of the National Academy of Sciences of the United States of America/ National Academy of Sciences - Washington, DC: National Acad. of Sciences, 1915, Bd. 117.2020, 13, S. 7409-7417;
[Imp.fact.: 9.412]

Salge, Johannes H.; Pollmann, Stefan; Reeder, Reshane R.

Anomalous visual experience is linked to perceptual uncertainty and visual imagery vividness
Psychological research: an international journal of perception, attention, memory, and action - Berlin: Springer, 1921 . - 2020;
[Online first]
[Imp.fact.: 2.855]

Schettino, Antonio; Porcu, Emanuele; Gundlach, Christopher; Keitel, Christian; Müller, Matthias M.

Rapid processing of neutral and angry expressions within ongoing facial stimulus streams - is it all about isolated facial features?
PLOS ONE - San Francisco, California, US: PLOS, 2006, Volume 15 (2020), issue 4, article e0231982, 30 Seiten;
[Imp.fact.: 2.776]

Schmidt, Karolin

Behavioral effects of guideline-provision on climate-friendly food choices - a psychological perspective
Journal of cleaner production - Amsterdam [u.a.]: Elsevier Science, 1993 . - 2020;
[Online first]
[Imp.fact.: 7.246]

Schüller, Thomas; Fischer, Adrian G.; Gruendler, Theo O. J.; Baldermann, Juan Carlos; Huys, Daniel; Ullsperger, Markus; Kuhn, Jens

Decreased transfer of value to action in Tourette syndrome
Cortex: a journal devoted to the study of the nervous system and behaviour - Paris: Elsevier Masson, 1964, Bd. 126.2020, S. 39-48;
[Imp.fact.: 4.009]

Smith, Ezra E.; Schüller, Thomas; Huys, Daniel; Baldermann, Juan Carlos; Andrade, Pablo; Allen, John J. B.; Visser-Vandewalle, Veerle; Ullsperger, Markus; Gruendler, Theo O. J.; Kuhn, Jens

A brief demonstration of frontostriatal connectivity in OCD patients with intracranial electrodes
NeuroImage: a journal of brain function - Orlando, Fla.: Academic Press, 1992, Volume 220 (2020), article 117138;

Smith, Ezra E.; Schüller, Thomas; Huys, Daniel; Baldermann, Juan Carlos; Ullsperger, Markus; Allen, John J. B.; Visser-Vandewalle, Veerle; Kuhn, Jens; Gründler, Theo O. J.

Prefrontal delta oscillations during deep brain stimulation predict treatment success in patients with obsessive-compulsive disorder
Brain stimulation: basic, translational, and clinical research in neuromodulation - New York, NY [u.a.]: Elsevier, 2008, Bd. 13.2020, 1, S. 259-261;
[Imp.fact.: 6.565]

Ullsperger, Markus

Imprecise learning and uncertainty

Nature human behaviour - London: Nature Research, 2017 . - 2020;

[Online first]

[Imp.fact.: 12.316]

Williams, Justin H. G.; Huggins, Charlotte F.; Zupan, Barbra; Willis, Megan; Rheenen, Tamsyn E.; Sato, Wataru; Palermo, Romina; Ortner, Catherine; Krippel, Martin; Kret, Mariska; Dickson, Joanne M.; Li, Chiang-shan R.; Lowe, Leroy

A sensorimotor control framework for understanding emotional communication and regulation

Neuroscience & biobehavioral reviews: official journal of the International Behavioral Neuroscience Society - Amsterdam [u.a.]: Elsevier Science, 1978, Bd. 112.2020, S. 503-518;

[Imp.fact.: 8.002]

NICHT BEGUTACHTETE ZEITSCHRIFTENAUFsätze

Matthies, Ellen

Große Transformation - Coronakrise als Gamechanger?

Politische Ökologie: die Reihe für Querdenker und Vordenkerinnen / Hrsg. vom Oekom e.V., Verein für Ökologische Kommunikation: die Reihe für Querdenker und Vordenkerinnen - München: Ökom-Verl., 1988, Bd. 38.2020, 163, S. 97-98

BEGUTACHTETE BUCHBEITRäge

Marek, Nico; Pollmann, Stefan

Contextual cueing in virtual (reality) environments

Spatial learning and attention guidance - New York, NY: Springer Science Business Media, 2020; Pollmann, Stefan . - 2020, S. 73-101 - (Neuromethods; volume 151);

Otto, Siegmars; Beer, Katrin; Henn, Laura; Overbeck, Anne

Das Individuum in der nachhaltigen Wirtschaft - Konsum in digitalen, algorithmenbasierten Entscheidungsarchitekturen

Als gäbe es ein Morgen: Nachhaltigkeit wollen, sollen, können - Weimar (Lahn): Metropolis, 2020; Matheis, Alfons . - 2020, S. 409-424

LEHRBüCHER

Lehmann, Wolfgang; Jüling, Inge

Auch alte Bäume wachsen noch - Zur Psychologie des höheren Lebensalters - mit Aufgaben und Übungen für Hirn und Hand

Berlin: Springer Berlin: 2020, 1. Auflage 2021

Pollmann, Stefan

Allgemeine Psychologie - mit 280 Übungsfragen

München [u.a.]: Reinhardt, 2020, 2. Auflage, 314 Seiten - (UTB)

WISSENSCHAFTLICHE MONOGRAFIEEN

Assmann, Tom; Müller, Florian; Bobeth, Sebastian; Baum, Leonard

Planning of Cargo Bike Hubs - a guide for municipalities and industry for the planning of transshipment hubs for new urban logistics concepts

Magdeburg: Otto-von-Guericke-Universität, Institut für Logistik und Materialflusstechnik, 2020, 1 Online-Ressource (25 Seiten, 4,47 MB);

Müller, Sandra Verena; Klein, Tillmann

Dianostik und Therapie von exekutiven Dysfunktionen bei neurologischen Erkrankungen
AWMF online, 2020, 1 Online-Ressource - (Leitfaden für Diagnostik und Therapie in der Neurologie);

Müller, Sandra Verena; Klien, Tillmann

Diagnostik und Therapie von exekutiven Dysfunktionen bei neurologischen Erkrankungen - Entwicklungsstufe: S2e
DGN, 2020, 1 Online-Ressource;

HERAUSGEBERSCHAFTEN

Pollmann, Stefan

Spatial learning and attention guidance
New York, NY: Springer Science Business Media, 2020, 1 Online-Ressource (xii, 314 Seiten) - (Neuromethods; volume 151);

NICHT BEGUTACHTETE BUCHBEITRÄGE

Kaiser, Florian G.

GEB-50. General Ecological Behavior Scale
Trier: Leibniz-Zentrum für Psychologische Information und Dokumentation (ZPID), 2020, 1 Online-Ressource;

ABSTRACTS

Rogge, Julia; Jocham, Gerhard; Ullsperger, Markus

How do we decide? - alpha- and beta-power lateralization grow with accumulated evidence throughout a delay
Psychophysiology - Malden, Mass. [u.a.]: Wiley-Blackwell, 1964, Volume 57(2020), S1, poster 1-031, Seite S16;
[Meeting: 2020 Virtual Annual Meeting of the Society for Psychophysiological, virtual meeting, 4-6 October 2020]

DISSERTATIONEN

Bobeth, Sebastian; Matthies, Ellen [AkademischeR BetreuerIn]

Psychologisch informierte Ansatzpunkte zur Förderung von Elektroautos im frühen Verbreitungsstadium
Magdeburg, 2020, XII, 159 Seiten, Illustrationen, Diagramme, 30 cm;
[Kumulative Hochschulschrift; Literaturverzeichnis: Seite 141-155]

Geringswald, Franziska; Pollmann, Stefan [AkademischeR BetreuerIn]

Visual attention and memory under central vision loss
Magdeburg, 2020, vii, 135 Seiten, Illustrationen, Diagramme, 30 cm;
[Literaturverzeichnis: Seite 104-123]

Henn, Laura; Kaiser, Florian G. [AkademischeR BetreuerIn]

Handeln im Kontext mit ökologischen Folgen - das Campbell-Paradigma als Beitrag zur Umweltpsychologie und zur Umweltschutzpsychologie
Magdeburg, 2020, x, 265 Seiten, Illustrationen;
[Literaturverzeichnis: Seite 215-245]

Schmidt, Karolin; Matthies, Ellen [AkademischeR BetreuerIn]

Die Vermeidung von Lebensmittelüberkonsum in Haushalten als Schlüsselbereich zur Förderung eines bewussten und klimaschonenden Lebensmittelkonsums
Magdeburg, 2020, xi, 187 Seiten, Tabellen;
[Literaturverzeichnis: Seite 169-176]