Priv. Doz. Dr. rer. nat. habil. Johannes Gierschner

Senior Research Professor
Madrid Institute for Advanced Studies, IMDEA in Nanoscience
C/ Faraday 9, Ciudad Universitaria Cantoblanco
28049, Madrid, SPAIN
Tel.: + 34 91 299 8783 Fax: + 34 91 299 8730
Institute website: www.nanoscience.imdea.org
Group website: www.uv.es/jogiers
e-mail: johannes.gierschner@imdea.org
ORCID: 0000-0001-8177-7919

Education & Profession

since 2008	Senior Research Professor at the IMDEA Nanoscience Institute, Madrid, Spain 2008-2018 Ramón y Cajal, I3 & IED fellow, Spanish Science Ministry
2014	Habilitation, Inst. Phys. Theor. Chem. (IPTC), University of Tübingen, Germany
2004 - 2007	Research fellow at the Laboratory for Chemistry for Novel Materials, University of Mons, Belgium, with David Beljonne & Jérôme Cornil
2003 - 2004	Research fellow at the Institute of IPTC, University of Tübingen, Germany
2000 - 2003	Researcher, lecturer and administration manager of the IPTC
2000	PhD in Physical Chemistry, IPTC, Univ. Tübingen, Germany, with D. Oelkrug

Visiting Researcher Positions & Scientific Stays

since 2014	*Privatdozent* (Adjunct Prof.) at the University of Tübingen, Germany
since 2014	Regular visiting researcher, University of Valencia, Spain
2009 - 2018	Regular visiting researcher at Seoul National University, with Soo Young Park
2016 - 2019	Regular visiting researcher, UNIST, with Minsang Kwon
2014/2015	Visiting Professor at the University of Mons, Belgium
2014/2015	Adjunct Professor (WCU Hybrid Program), Seoul National University, Korea
2008 - 2010	Visiting researcher at ICMol, University of Valencia, Spain
2005	Visiting researcher with Jean-Luc Brédas, Georgia Tech, Atlanta, USA
2005 - 2014	Regular visiting researcher at the IPTC, Univ. Tübingen, Germany

Short scientific stays (1-4 weeks) at Seoul National Univ. (2008, 2023), Univ. Montreal (2007), Univ. Milano Bicocca (2006), Politecnico di Milano (2006), Temple Univ. (2005), Rutherford Laboratories (2004), Inst. Fluorescence Spectroscopy, Baltimore (2000), C.N.R. Bologna (1998).

Dissemination

- 150 publications[1,2] in peer-reviewed journals (11000 cites,[3,4] h = 54[5]), including 14 review-type papers.
- 100 talks at international conferences, symposia & workshops (40 reputably invited);[6] 90 invited seminars at research institutes; 50 lecture series; 30 presentations at research meetings.

[1] We seek to publish insight-driven research in high-quality journals with thorough peer-review & adequate readership. [2] We remind that the journal's IF solely counts cites in the first 2 years after publication. This is neither per se correlated with quality, nor do we agree on the narrow defintion of 'impact' in such short-term perspective; in fact, this reflects the interests of private enterprises, but not the meaning & relevance of science. We furher stress that the IF is not *per se* correlated with the individual papers published there, it is easily manipulated by journal's politics, and is explicitly designed as a self-fulfilling prophecy. [3] Search algorithms are biased by the providers' specific interests. [4] We oppose citation circles and extensive self-citation. [5] It is reminded that the h-index is not a quality indicator but an improved cite count. [6] Predatory conferences, invented to pimp up CVs, are not supported.

MANAGEMENT

since 2021	Node Coordinator 'Materials' within the European MSc program 'Theoretical Chemistry and Computational Modelling' (EM TCCM)
since 2012	Coordinator & PI of projects financed by the Spanish Science Ministry [ENCENDER PID2022-138222NB-C21, CTQ2017-87054, CTQ2014-58801, CTQ2011-27317]
since 2017	Guarantor IMDEA Nanoscience - Severo Ochoa Excellence Center [MICINN CEX2020-001039-S, MINECO SEV-2016-0686]
2013 - 2017	MC Member & WG Leader in COST action MP1302 NANOSPECTROSCOPY
2010 - 2013	PI in a project of the Comunidad Madrid [NANOBIOMAGNET, S2009/MAT-1726]
2002 - 2010	Coordination of EC Marie Curie RTNs (HPRN-CT-2002-00323, MRTN-CT-2006-035884)
2000 - 2003	Head of the institute administration at IPTC, University of Tübingen, Germany

COLLABORATIONS

Current collaborations (*inter alia*) with R. Wannemacher (Madrid), B. Milián-Medina (Valencia), A. Meixner & D. Zhang (Tübingen), M. S. Kwon (Seoul), S. Y. Park (Seoul), D. Roca Sanjuán (Valencia), J. Cabanillas (Madrid), F. Würthner (Würzburg), M. B. Ros & R. Gimenez (Zaragoza), Z. Xie (SCUT), T. Marder (Würzburg), R. Resel (Graz), S. Varghese (Kolkata), D. Beljonne (Mons), J. Cerezo (Madrid), F. Santoro & G. Prampolini (Pisa), D. R. Whang (Daejeon), S. K. Park (Jeonbuk), H.-J. Egelhaaf (Nürnberg).

SERVICE TO THE COMMUNITY

Peer Review	220 reports in 50 journals for ACS, RSC, Wiley VCH, Elsevier, Nature Portfolio, AIP, De Gruyter, IUCr, Springer, CSJ. Expert referee for the Spanish Science Ministry, Leibniz Association, German Science Foundation (DFG).
Journals	2018-23: Ed. Board 'Materials'; 2013-21: Assoc. Ed. 'Front. Chem.'; 2013-16: Ed. Advisory Board 'Nanospectroscopy' (de Gruyter)
Conferences	Board Member CπC conference series (since 2010); Board Member European School 'Nanostructured Supramolecular Materials' (2002-2010); Organization of numerous Symposia, Training Schools and Research Meetings
Outreach	since 2022: seminars on *Scientific Integrity Decline in Current Materials Research: Insights & Vistas Beneath the Tip of the Iceberg* since 2008 (IMDEA): *Open Door, Science Fair*. 2000-03 (Univ. Tübingen): *Academic Advisor* in Phys. Chem.; responsible for student excursions, open door activities; training courses for high-school teachers; contributions to industrial training courses.

TEACHING & SUPERVISION

since 2003	Lecture on *Photophysics of Conjugated Organic Materials* (30 h): Online (2021), Tübingen (2003; annual, since 2016), Madrid (annual, since 2011), Seoul (annual, since 2009), Ulsan (2016-18), Atlanta (2005), Valencia (2008), Mons (2006, 2015)
since 1995	Supervision of Postdocs (10), PhD students (6), PhD Internships (7), MSc students (4), undergraduates (11)
since 2015	Host for international Postdoc, PhD & internship grant programs: Marie Curie Individual Fellowships (EU), CSC (China), Erasmus+ (EU), FAPESP (Brazil) etc.
1995 - 2004	Lecturer, director and assistant supervisor/advisor of experimental courses in all fields of physical chemistry (av. 60 h/y)
1987 - 1995	Tutoring of high school & university students in mathematics, chemistry & physics

PUBLICATIONS

1) *Ultraviolet Light Blocking Optically Clear Adhesives for Foldable Displays via Highly Efficient Visible-Light Curing*
Y. Kwon, S. Lee, J. Kim, J. Jun, W. Jeon, Y. Park, H.-J. Kim, J. Gierschner, J. Lee, Y. Kim, M. S. Kwon, Nature Commun. **2024**, 15, 2829.

2) *Donor-Acceptor-Donor Triads with Flexible Spacers: Deciphering Complex Photophysics for Targeted Materials Design*
S. Feng, L. Wang, B. Milián-Medina, A. J. Meixner, M. S. Kwon, S. Y. Park, R. Wannemacher, J. Gierschner, Adv. Mater, **2023**, 35, 2306678.

3) *Anomalous Deep-Red Luminescence of Perylene Black Analogues with Strong π-π Interactions*
N. Tang, J. Zhou, L. Wang, M. Stolte, G. Xie, X. Wen, L. Liu, F. Würthner, J. Gierschner, Z. Xie, Nature Commun. **2023**, 14, 1922.

4) *Formation and Degradation of Strongly Reducing Cyanoarene-Based Radical Anions towards Efficient Radical Anion-Mediated Photoredox Catalysis*
Y. Kwon, J. Lee, Y. Noh, D. Kim, Y. Lee, C. Yu, J. C. Roldao, S. Feng, J. Gierschner, R. Wannemacher, M. S. Kwon, Nature Commun. **2023**, 14, 92.

5) *Highly Efficient Photocatalytic Hydrogen Evolution using a Self-Assembled Octupolar Molecular System*
H.-J. Lee, A. Abudulimu, J. C. Roldao, H. Nam, J. Gierschner, L. Lüer, S. Y. Park, ChemPhotoChem. **2023**, 7, e202200177.

6) *Boosting the Stimulated Emission Properties of Host:Guest Polymer Blends by Inserting Chain Twists in the Host Polymer*
C. Sun, L. Bai, J. C. Roldao, A. Burgos-Caminal, O. Borrell-Grueiro, J. Lin, W. Huang, J. Gierschner, W. Gawelda, L. Bañares, J. Cabanillas-González, Adv. Funct. Mater. **2022**, 32, 2206723.

7) *Accurate Calculation of Excited-State Absorption for Small-to-Medium-Sized Conjugated Oligomers: Multiconfigurational Treatment vs Quadratic Response TD-DFT*
J. C. Roldao, E. F. Oliveira, B. Milián-Medina, J. Gierschner, D. Roca-Sanjuán, J. Chem. Theor. Comp. **2022**, 18, 5449–5458.

8) *Luminescent Assemblies of Pyrene-Containing Bent-Core Mesogens: Liquid Crystals, π-Gels and Nanotubes*
M. Martínez-Abadía, S. Varghese, J. Gierschner, R. Giménez, M. Blanca Ros, J. Mater. Chem. C **2022**, 10, 12012-12021.

9) *Water-Soluble Organic Photocatalyst Discovered for Highly Efficient Additive-Free Visible-Light-Driven Grafting of Polymers from a Protein at Ambient and Aqueous Environments*
Y. Lee, Y. Kwon, Y. Kim, C. Yu, S. Feng, J. Park, J. Doh, R. Wannemacher, B. Koo, J. Gierschner, M. S. Kwon, Adv. Mater. **2022**, 34, 2108446.

10) *Pure Boric Acid Does Not Show Room Temperature Phosphorescence (RTP)*
Z. Wu, J. C. Roldao, F. Rauch, A. Friedrich, M. Ferger, F. Würthner, J. Gierschner, T. B. Marder, Angew. Chem. Int. Ed. **2022**, 61, e202200599.

11) *Photoswitching Activation of a Ferrocenyl-Stilbene Analogue by its Covalent Grafting to Gold*
F. Bejarano, D. Gutiérrez, J. Catalán-Toledo, D. Roca-Sanjuán, J. Gierschner, J. Veciana, M. Mas-Torrent, C. Rovira, N. Crivillers, Phys. Chem. Chem. Phys. **2022**, 24, 6185-6192.

12) *Quantum-Chemistry Study of the Ground and Excited State Absorption of Distyrylbenzene: Multi vs. Single Reference Methods*
J. C. Roldao, E. F. Oliviera, B. Milián-Medina, J. Gierschner, D. Roca-Sanjuán, J. Chem. Phys. **2022**, 156, 044102.

13) *Monitoring Tautomerization of Single Hypericin Molecules in a Tunable Optical λ/2 Microresonator*
L. Wang, Q. Liu, F. Wackenhut, M. Brecht, P.-M. Adam, J. Gierschner, A. J. Meixner, J. Chem. Phys. **2022**, 156, 014203.

14) Dual Emission: Classes, Mechanisms and Conditions
S. K. Behera, S. Y. Park, J. Gierschner, Angew. Chem. Int. Ed. **2021**, 60, 22624-22638.

15) *Duale Emission: Klassen, Mechanismen und Bedingungen*
S. K. Behera, S. Y. Park, J. Gierschner, Angew. Chem. **2021**, 133, 22804-22820.

16) *Luminescence in Crystalline Organic Materials: From Molecules to Molecular Solids*
J. Gierschner, J. Shi, D. Roca-Sanjuán, B. Milián-Medina, S. Varghese, S. Y. Park, Adv. Opt. Mater. **2021**, 9, 2002251.

17) *Theoretical and Experimental Evidence of Two-Step Tautomerization in Hypericin*
Q. Liu, L. Wang, J. C. Roldao, P.-M. Adam, M. Brecht, J. Gierschner, F. Wackenhut, A. J. Meixner, Adv. Photonics Res. **2021**, 2, 2000170.

18) *Direct Observation of Structural Heterogeneity and Tautomerization of Single Hypericin Molecules*
Q. Liu, F. Wackenhut, L. Wang, O. Hauler, J. C. Roldao, P.-M. Adam, M. Brecht, J. Gierschner, A. J. Meixner, J. Phys. Chem. Lett. **2021**, 12, 1025–1031.

19) *Distinct Helical Molecular Orbitals Through Conformational Lock*
A. Ozcelik, D. Aranda, S. Gil-Guerrero, X. A. Pola-Otero, M. Talavera, L. Wang, S. K. Behera, J. Gierschner, Á. Peña-Gallego, F. Santoro, R. Pereira-Cameselle, J. L. Alonso-Gómez, Chem. Eur. J. **2020**, 26, 17342-17349.

20) *Synthesis of Solvent-Free Acrylic Pressure-Sensitive Adhesives via Visible-Light-Driven Photocatalytic Radical Polymerization without Additives*
J.-H. Back, Y. Kwon, H.-J. Kim, J. C. Roldao, Y. Yu, H.-J. Kim, J. Gierschner, W. Lee, M. S. Kwon, Green Chem. **2020**, 22, 8289-8297.

21) *Turn-On Solid State Luminescence by Solvent-Induced Modification of Intermolecular Interactions*
P. Majumdar, M. Ghora, R. Wannemacher, J. Gierschner, S. Varghese, J. Mater. Chem. C **2020**, 8, 15742-15750.

22) *Unraveling the Origin of High Efficiency Photoluminescence in Mixed-Stack Isostructural Crystals of Organic Charge-Transfer Complex: Fine-Tuning of Isometric Donor-Acceptor Pairs*
S. Oh, S. K. Park, B. H. Jhun, J. C. Roldao, J. H. Kim, M.-W. Choi, C. H. Ryoo, S. Jung, N. Demitri, R. Fischer, I. E. Serdiuk, R. Resel, J. Gierschner, S. Y. Park, J. Phys. Chem. C **2020**, 37, 20377–20387.

23) *Combined Spectroscopic and TD-DFT Analysis to Elucidate Substitution and Acidochromic Effects: A Case Study on Amino- vs. Nitro-Substituted 2,4-Diphenylquinolines*
G. Carvalho dos Santos, J. C. Roldao, J. Shi, B. Milián-Medina, L. C. da Silva Filho, J. Gierschner, ChemPhysChem **2020**, 21, 1797-1804.

24) *Tricolor Fluorescence Switching in a Single Component Mechanochromic Molecular Material*
H.-J. Kim, J. Gierschner, S. Y. Park, J. Mater. Chem. C **2020**, 8, 7417-7421.

25) *Self-Assembled Amphiphilic Molecules for Highly Efficient Photocatalytic Hydrogen Evolution from Water*
H.-J. Lee, J. Kim, A. Abudulimu, J. Cabanillas-Gonzales, P. C. Nandajan, J. Gierschner, L. Lüer, S. Y. Park, J. Phys. Chem. C **2020**, 124, 6971-6978.

26) *Tuning of Solid State Luminescence in Conjugated Organic Materials: Control of Excitonic and Excimeric Contributions through π-Stacking and Halogen Bond Driven Self-Assembly.*
P. Majumdar, F. Tharammal, J. Gierschner, S. Varghese, ChemPhysChem **2020**, 21, 616-624.

27) *Counterion-Mediated Crossing of the Cyanine Limit in Crystals and Fluid Solution: Bond Length Alternation and Spectral Broadening Unveiled by Quantum Chemistry*
M. Eskanderi, J. C. Roldao, J. Cerezo, B. Milián-Medina, J. Gierschner, J. Am. Chem. Soc. **2020**, 142, 2835-2843.

28) *Excited State Non-Radiative Decay in Stilbenoid Compounds: An ab initio Quantum-Chemistry Study on Size and Substituent Effects*
M. A. Izquierdo, J. Shi, S. Oh, S. Y. Park, B. Milián-Medina, J. Gierschner, D. Roca-Sanjuán, Phys. Chem. Chem. Phys. **2019**, 21, 22429-22439.

29) *Crossed 2D vs. Slipped 1D π-Stacking in Polymorphs of Crystalline Organic Thin Films: Impact on the Electronic and Optical Response*
M. J. Aliaga-Gosalvez, M. Demitri, M. Dohr, J. C. Roldao, S. K. Park, S. Oh, S. Varghese, S. Oh, S. Y. Park, Y. Olivier, B. Milián-Medina, R. Resel, J. Gierschner, Adv. Opt. Mater. **2019**, 7, 1900749.

30) Organic Photocatalyst for ppm-Level Visible-Light-Driven Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization with Excellent Oxygen Tolerance
Y. Song, Y. Kim, Y. Noh, V. K. Singh, S. K. Behera, A. Abudulimu, K. Chung, R. Wannemacher, J. Gierschner, L. Lüer, M. S. Kwon, Macromol. **2019**, 52, 5538-5545.

31) Assembly-Induced Bright-Light Emission from Solution-Processed Platinum(II) Inorganic Polymers
A. Perevedentsev, F. L. Bargardi, A. Sánchez-Ferrer, N. J. Cheetham, A. Sousaraei, S. Busato, J. Gierschner, B. Milián-Medina, R. Mezzenga, R. Wannemacher, J. Cabanillas-Gonzalez, M. Campoy-Quiles, W. R. Caseri, ACS Omega **2019**, 4, 10192-10204.

32) Inverted Energy Gap Law for the Nonradiative Decay in Fluorescent Floppy Molecules: Larger Fluorescence Quantum Yields for Smaller Energy Gaps
J. Shi, M. A. Izquierdo, S. Oh, S. Y. Park, B. Milián-Medina, D. Roca-Sanjuán, J. Gierschner, Org. Chem. Front. **2019**, 6, 1948-1954.

33) Probing the Molecular Orientation of a Single Conjugated Polymer via Nano-gap SERS
A. R. L. Marshall, M. Roberts, J. Gierschner, J.-S. G. Bouillard, A. M. Adawi, ACS Appl. Polymer Mater. **2019**, 1, 1175-1180.

34) Highly Efficient and Stable Inverted Perovskite Solar Cells Obtained via Treatment by Semiconducting Chemical Additive
J. C. Yu, S. Badgujar, E. D. Jung, V. K. Singh, D. W. Kim, J. Gierschner, E. Lee, Y. S. Kim, S. Cho, M. S. Kwon, M. H. Song, Adv. Mater. **2019**, 31, 1805554.

35) Highly Efficient Organic Photocatalysts Discovered via a Computer-Aided-Design Strategy for Visible-Light-Driven Atom Transfer Radical Polymerization
V. K. Singh, C. Yu, S. Badgujar, Y. Kim, Y. Kwon, D. Kim, J. Lee, T. Akhter, G. Thangavel, L. S. Park, J. Lee, P. C. Nandajan, R. Wannemacher, B. Milián-Medina, L. Lüer, K. S. Kim, J. Gierschner, M. S. Kwon, Nat. Catal. **2018**, 1, 794-804.

36) Insight into Water-Soluble Highly Fluorescent Low-Dimensional Host-Guest Supramolecular Polymers: Structure and Energy Transfer Dynamics Revealed by Polarized Fluorescence Spectroscopy
P. C. Nandajan, H.-J. Kim, S. Casado, S. Y. Park, J. Gierschner, J. Phys. Chem. Lett. **2018**, 9, 3870-3877.

37) Light Harvesting Fluorescent Supramolecular Block Copolymers Based on Cyanostilbene Derivatives and Cucurbit[8]urils in Aqueous Solution
H.-J. Kim, P. C. Nandajan, J. Gierschner, S. Y. Park, Adv. Funct. Mater. **2018**, 28, 1705141.

38) Designing High Performance All-Small-Molecule Solar Cell with Non-Fullerene Acceptors: Comprehensive Studies on Photoexcitation Dynamics and Charge Separation Kinetics
J. Shi, A. Isakova, A. Abudulimu, M. van den Berg, O. K. Kwon, A. J. Meixner, S. Y. Park, D. Zhang, J. Gierschner, L. Lüer, Energy Environ. Sci. **2018**, 11, 211-220.

39) Room Temperature Phosphorescence based Dissolved Oxygen Detection by Core-shell Polymer Nanoparticles having Metal-free Organic Phosphor
Y. Yu, M. S. Kwon, J. Jung, Y. Zeng, M. Kim, K. Chung, J. Gierschner, J. H. Youk, S. M. Borisov, J. Kim, Angew. Chem. Int. Ed. 56 (**2017**) 16207-16211.

40) Determining Molecular Orientation via Single Molecule SERS in a Plasmonic Nano-Gap
A. R. L. Marshall, J. Stokes, F. N. Viscomi, J. E. Proctor, J. Gierschner, J.-S. Bouillard, A. M. Adawi, Nanoscale 9 (**2017**) 17415-17421.

41) Solid State Luminescence Enhancement in π-Conjugated Materials: Unraveling the Mechanism beyond the Framework of AIE/AIEE
J. Shi, L. E. Aguilar Suarez, S.-J. Yoon, S. Varghese, C. Serpa, S. Y. Park, L. Lüer, D. Roca Sanjuán, B. Milián Medina, J. Gierschner, J. Phys. Chem. C 121 (**2017**) 23166-23183.

42) Twist Elasticity Controlled Crystal Emission in Highly Luminescent Polymorphs of Cyano-Substituted Distyrylbenzene (βDCS)
J. Shi, S.-J. Yoon, L. Viani, B. Milián-Medina, S. Y. Park, J. Gierschner, Adv. Opt. Mater. 5 (**2017**) 1700340.

43) Tetrakis{[(p-dodecacarboranyl)methyl]stilbenyl}ethylene: A Luminescent Tetraphenylethylene (TPE) Core System

J. Cabrera-González, S. Bhattacharyya, B. Milián-Medina, F. Teixidor, N. Farfán, R. Arcos-Ramos, V. Vargas-Reyes, J. Gierschner, R. Nuñez, Eur. J. Inorg. Chem. (**2017**) 4575–4580.

44) Fluorescent Carborane-Vinylstilbene Functionalised Octasilsesquioxanes: Synthesis, Structural, Thermal and Photophysical Properties
J. Cabrera-González, A. Ferrer-Ugalde, S. Bhattacharyya, M. Chaari, F. Teixidor, J. Gierschner, R. Nuñez, J. Mater. Chem. C (**2017**) 5, 10211-10219.

45) Highly Luminescent 2D-type Slab Crystals Based on a Molecular Charge-Transfer Complex as Promising Organic Light-Emitting Transistor Materials
S. K. Park, J. H. Kim, T. Ohto, R. Yamada, A. O. F. Jones, D. R. Whang, I. Cho, S. Oh, S. H. Hong, J. E. Kwon, J. H. Kim, Y. Olivier, R. Fischer, R. Resel, J. Gierschner, H. Tada, S. Y. Park, Adv. Mater. 29 (**2017**) 1701346.

46) Molecular Scale Shear Response of the Organic Semiconductor β-DBDCS (100) Surface
R. Álvarez-Asencio, J. S. Moreno-Ramírez, C. Pimentel, S. Casado, M. Matta, J. Gierschner, L. Muccioli, S.-J. Yoon, S. Varghese, S. Y. Park, E. Gnecco, C. M. Pina, Phys. Rev. B 96 (**2017**) 115422.

47) Crystallization-Induced Emission Enhancement and Amplified Spontaneous Emission from a CF_3-containing Excited-State Intramolecular-Proton-Transfer Molecule
S. Park, J. E. Kwon, S.-Y. Park, O.-H. Kwon, J. K. Kim, S.-J. Yoon, J. W. Chung, D. R. Whang, S. K. Park, D. K. Lee, D.-J. Jang, J. Gierschner, S. Y. Park, Adv. Opt. Mater. 5 (**2017**) 1700353.

48) Excited State Absorption Spectra of Dissolved and Aggregated Distyrylbenzene - a TD-DFT State and Vibronic Analysis
E. F. Oliveira, J. Shi, F. C. Lavarda, L. Lüer, B. Milián-Medina, J. Gierschner, J. Chem. Phys. 147 (**2017**) 034903.

49) Highly Light-Sensitive Luminescent Cyanostilbene Flexible Dimers
M. Martínez-Abadía, S. Varghese, P. Romero, J. Gierschner, R. Giménez, M. B. Ros, Adv. Opt. Mater. 5 (**2017**)1600860.

50) 'Though It Be but Little, It is Fierce' - Excited State Engineering of Conjugated Organic Materials by Fluorination
B. Milián-Medina, J. Gierschner, J. Phys. Chem. Lett. 8 (**2017**) 91-101.

51) Highly Enhanced Fluorescence of Supramolecular Polymers Based on Cyanostilbene Derivative and Cucurbit[8]uril in Aqueous Solution
H.-J. Kim, D. R. Whang, J. Gierschner, S. Y. Park, Angew. Chem. Int. Ed. 55 (**2016**) 15915–15919.

52) Resonant Energy Transport in Dye-Filled Monolithic Crystals of Zeolite L – Modeling of Inhomogeneity
L. Viani, A. Minoia, J. Cornil, D. Beljonne, H.-J. Egelhaaf, J. Gierschner, J. Phys. Chem. C 120 (**2016**) 27192–27199.

53) Naphthalenediimide Polymers with Finely Tuned In-Chain π-Conjugation. Electronic Structure, Film Microstructure, and Charge Transport Properties
T. Erdmann, S. Fabiano, B. Milián-Medina, D. Hanifi, Z. Chen, M. Berggren, J. Gierschner, A. Salleo, A. Kiriy, B. Voit, A. Facchetti, Adv. Mater. 28 (**2016**) 9169–9174.

54) Regio(ir)regular Naphthalenediimide- and Perylenediimide-Bithiophene Copolymers: How MO Localization Controls the Bandgap
B. Milián-Medina, M. Wykes, Z. Chen, A. Facchetti, J. Gierschner, J. Mater. Chem. C 4 (**2016**) 9405-9410.

55) ¿Conjugated? Copolymers from a Pechmann Dye Derivative
A. D. Thilanga Liyanage, B. Milián-Medina, B. Zhang, J. Gierschner, M. D. Watson, Macromol. Chem. Phys. 217 (**2016**) 2068-2073.

56) Photoluminescence in Carborane-Stilbene Triads: a Combined Structural, Spectroscopic and Computational study
J. Cabrera-González, C. Viñas, M. Haukka, S. Bhattacharyya, J. Gierschner, R. Núñez, Chem. Eur. J. 22 (**2016**) 13588-13598.

57) Effective Conjugation in Conjugated Polymers with Strongly Twisted Backbones: a Case Study on Fluorinated MEHPPV

R. Milad, J. Shi, A. Aguirre, A. Cardone, B. Milián-Medina, G. M. Farinola, M. Abderrabba, J. Gierschner, J. Mater. Chem. C 4 (**2016**) 6900-6906.

58) *Tuning of the Electronic and Photophysical Properties of Ladder-Type Quaterphenyl by Selective Methylene-Bridge Fluorination*
B. Dänekamp, B. Kobin, S. Bhattacharyya, S. Hecht, B. Milián-Medina, J. Gierschner, Phys. Chem. Chem. Phys. 18 (**2016**) 16501-16508.

59) *Stabilizing and Modulating Color by Copigmentation: Insights from Theory and Experiment*
P. Trouillas, J. C. Sancho-García, V. De Freitas, J. Gierschner, M. Otyepka, O. Dangles, Chem. Rev. 116 (**2016**) 4937-4982.

60) *Polymorphism and Amplified Spontaneous Emission in a Dicyano-Distyrylbenzene Derivative with Multiple Trifluoromethyl Substituents: Intermolecular Interactions in Play*
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