

II. PUBLICATIONS

Veröffentlichungen

1. **Polycyclic Anthanthrene Small Molecules: Semiconductors for Organic Field-Effect Transistors and Solar Cells Applications**
J-B. Giguère, N. S. Sariciftci, J.-F. Morin
Journal of Materials Chemistry C 3 (2015), 601
2. **Polymer aggregation control in polymer–fullerene bulk heterojunctions adapted from solution**
C. Kästner, D. A. M. Egbe, H. Hoppe
Journal of Materials Chemistry A 3 (2015), 395
3. **Spectroscopic characterization of a red light-emitting polymer: Anthracene-containing poly(p-arylene-ethynylene)-alt-poly(p-arylene-vinylene)**
M. Radaoui, E. Hleli, Z. Ben Hamed, A. Ben Fredj, H. Hrichi, S. Romdhane, D. A. M. Egbe, H. Bouchriha
Material Science in Semiconductor Processing 2015, 30, 285-291
4. **Iodide-Capped PbS Quantum Dots: Full Optical Characterization of a Versatile Absorber**
P. Stadler, S. A. Mohamed, . Gasiorowski, M. Sytnyk, S. Yakunin, M. C. Scharber, C. Enengl, S. Enengl, D. A. M. Egbe, M. K. El-Mansy, S. S. A. Obayya, N. S. Sariciftci, K. Hingerl, W. Heiss
Advanced Materials 27 (2015), 1533
5. **Epindolidiones—Versatile and Stable Hydrogen-Bonded Pigments for Organic Field-Effect Transistors and Light-Emitting Diodes**
E. Głowacki, G. Romanazzi, C. Yumusak, H. Coskun, U. Monkowius, G. Voss, M. Burian, R. Lechner, N. Demitri, G. Redhammer, N. Sünger, G. Suranna, N. S. Sariciftci
Advanced Functional Materials 25 (2015), 776
6. **Direct Electrochemical Addressing of Immobilized Alcohol Dehydrogenase for the Heterogeneous Bioelectrocatalytic Reduction of Butyraldehyde to Butanol**
S. Schlager, H. Neugebauer, M. Haberbauer, G. Hinterberger, N. S. Sariciftci
ChemCatChem 7 (2015), 967

7. **Using the Alkynyl-Substituted Rhenium(I) Complex (4,4'-Bisphenyl-Ethynyl-2,2'-Bipyridyl)Re(CO)₃Cl as Catalyst for CO₂ Reduction—Synthesis, Characterization, and Application**
E. Portenkirchner, S. Schlager, D. Apaydin, K. Oppelt, M. Himmelsbach, D. A. M. Egbe, H. Neugebauer, G. Knör, T. Yoshida, N. S. Sariciftci
Electrocatalysis 6 (2015), 185
8. **Vacuum-free processed bulk heterojunction solar cells with E-GaIn cathode as an alternative to Al electrode**
F. Ongul, S. A. Yuksel, S. Bozar, G. Cakmak, H. Y. Guney, D. A. M. Egbe, S. Gunes
Journal of Physics D: Applied Physics 48 (2015), 175102
9. **Reversible Photochemical Isomerization of N,N'- Di(t- butoxycarbonyl)indigos**
D. Farka, M. Scharber, E. Glowacki, N. S. Sariciftci
The Journal of Physical Chemistry A 119 (2015), 3563
10. **Spectroelectrochemical Studies on Quinacridone by Using Poly(vinyl alcohol) Coating as Protection Layer**
S. Enengl, C. Enengl, P. Stadler, H. Neugebauer, N. S. Sariciftci
ChemPhysChem 16 (2015), 2206
11. **Conducting materials prepared by the oxidation of p-phenylenediamine with p-benzoquinone**
J. Stejskal, M. Trchová, Z. Morávková, P. Bober, M. Bláha, Jiří Pflieger, P. Magdziarz, J. Prokeš, M. Havlicek, N. S. Sariciftci, A. Sperlich, V. Dyakonov, Z. Zujovic
Journal of Solid State Electrochemistry 19 (2015) 2653
12. **Quinoxalineimide as a Novel Electron-Accepting Building Block for Organic Optoelectronics**
T. Hasegawa, K. Aoyagi, M. Ashizawa, Y. Konosu, S. Kawauchi, N. S. Sariciftci, H. Matsumoto
Chemistry Letters Vol 44, No 8 (2015), 1128
13. **Control of carrier mobilities for performance enhancement of anthracene-based polymer solar cells**
O. Usluer, S. Boudiba, D. A. M. Egbe, L. Hirsch, M. Abbas
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14. **Bioconjugation of hydrogen-bonded organic semiconductors with functional proteins**
E. D. Głowacki, R. R. Tangorra, H. Coskun, D. Farka, A. Operamolla, Y. Kanbur, F. Milano, L. Giotta, G. M. Farinola, N. S. Sariciftci
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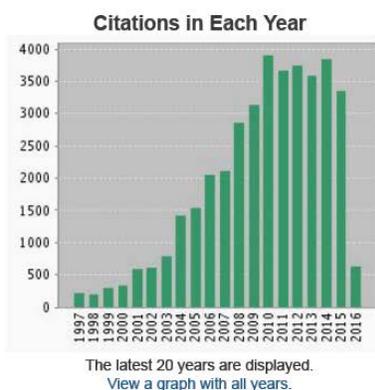
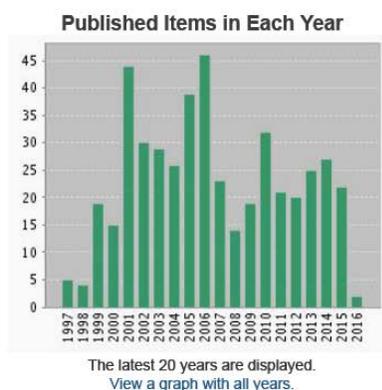
15. **Electrocatalytic Reduction of Carbon Dioxide using Sol-gel Processed Copper Indium Sulfide (CIS) Immobilized on ITO-Coated Glass Electrode**
G. Adam, F. Aslan, E. Portenkirchner, P. Stadler, M. C. Scharber, N. S. Sariciftci
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16. **Ambipolar inverters with natural origin organic materials as gate dielectric and semiconducting layer**
A. Petritz, A. Fian, E. Głowacki, N. S. Sariciftci, B. Stadlober, M. Irimia-Vladu
Physica Status Solidi RRL 9, No. 6 (2015) 358
17. **CuI as versatile hole-selective contact for organic solar cell based on anthracene-containing PPE-PPV**
S. A. Mohamed, J. Gasiorowski, K. Hingerl, D. R. T. Zahn, M. C. Scharber, S. S. A. Obayya, M. K. El-Mansy, N. S. Sariciftci, D. A. M. Egbe, P. Stadler
Solar Energy Materials & Solar Cells, 143 (2015), 369
18. **Quinoxalineimide as a Novel Electron-accepting Building Block for Organic Optoelectronics**
T. Hasegawa, K. Aoyagi, M. Ashizawa, Y. Konosu, S. Kawauchi, N. S. Sariciftci, H. Matsumoto
Chemistry Letters 44 (2015), 1128
19. **Transparent conductive ZnO layers on polymer substrates: Thin film deposition and application in organic solar cells**
M. Dosmailov, L.N. Leonat, J. Patek, D. Roth, P. Bauer, M.C. Scharber, N.S. Sariciftci, J.D. Pedarnig
Thin Solid Films 591 (2015), 97
20. **Enhanced near-infrared response of nano- and microstructured silicon/organic hybrid photodetectors**
V. Derek, E. D. Głowacki, M. Sytnyk, W. Heiss, M. Marciu, M. Ristic, M. Ivanda, N. S. Sariciftci
Applied Physics Letters 107 (2015), 083302
21. **Flexible high power-per-weight perovskite solar cells with chromium oxide–metal contacts for improved stability in air**
M. Kaltenbrunner, G. Adam, E. D. Głowacki, M. Drack, R. Schwödiauer, L. Leonat, D. H. Apaydin, H. Groiss, M. C. Scharber, M. S. White, N. S. Sariciftci, S. Bauer
Nature Materials Vol 14 (2015), 1032

22. **The Role of Heteroatoms Leading to Hydrogen Bonds in View of Extended Chemical Stability of Organic Semiconductors**
 C. Enengl , S. Enengl , M. Havlicek, P. Stadler , E. D. Glowacki, M. C. Scharber, M. White, K. Hingerl, E. Ehrenfreund, H. Neugebauer, N. S. Sariciftci
 Advanced Functional Materials 25 (2015), 6679
23. **Analysis of an ac response of an organic bulk heterojunction solar cell based on AnE-PVstat:PCBM**
 M. Radaoui, A. Ben Fredj, S. Romdhane, D.A.M. Egbe, N.S. Sariciftci, H. Bouchriha
 Synthetic Metals 201 (2015), 352
24. **Solar cells: From Sunlight to Electricity**
 S. Günes, M.S.A. Abdel-Mottaleb, H. Hoppe, D.A.M. Egbe
 International Journal of Photoenergy (2015), 1
25. **3D Solar: Concepts for effective light trapping in thin film solar cells**
 B. Lamprecht, L. Kuna, C. Ulbricht, M. White
 OSA Publishing

Patente

1. **Optoelektronischer Infrarotsensor**
 V. Derek, E. D. Glowacki, M. Ivanda, N. S. Sariciftci
 Patent Application: A50534/2014

Citation Index of Author Sariciftci



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