

II PUBLICATIONS

Veröffentlichungen

- 1 **3-Thiophenemalonic acid additive enhanced performance in perovskite solar cells**
S. Abicho, B. Hailegnaw, F. Mayr, M. Cobet, C. Yumusak, T. Abute Lelisho, T. Yohannes,
M. Kaltenbrunner, N. S. Sariciftci, M. C. Scharber, G. A. Workneh
ACS Omega 9 (2024), 2674
- 2 **Nature-inspired photocatalytic hydrogen production with a flavin photosensitizer**
L. Ivanová, J. Truksa, D. R. Whang, N. S. Sariciftci, C. Yumusak, J. Krajcovic
ACS Omega 9 (2024), 5534
- 3 **Industrial vat orange dyes for organic field effect transistors**
B. Kahraman, C. Yumusak, F. Mayr, D. Wielend, K. Kotwica, C. Vlad Irimia, E. Leeb, M. Cobet,
N. S. Sariciftci, M. Irimia-Vladu
Journal of Materials Chemistry C 12 (2024), 3838
- 4 **Interface passivation using diketopyrrolopyrrole-oligothiophene copolymer to improve the performance of perovskite solar cells**
S. Abicho, B. Hailegnaw, Felix Mayr, M. Cobet, C. Yumusak, S. Esubalew, T. Yohannes,
M. Kaltenbrunner, N. S. Sariciftci, M. C. Scharber, G. A. Workneh
Energy Science & Engineering Vol. 12, Issue 5 (2024), 2272
- 5 **Flexible quasi-2D perovskite solar cells with high specific power and improved stability for energy-autonomous drones**
B. Hailegnaw, S. Demchyshyn, C. Putz, L. E. Lehner, F. Mayr, D. Schiller, R. Pruckner, M. Cobet, D. Ziss, T. M. Krieger, A. Rastelli, N. S. Sariciftci, M. C. Scharber, M. Kaltenbrunner
Nature Energy 9 (2024), 677
- 6 **Biocompatibility assessment of organic semiconductor pigments epindolidione and quinacridone**
S. Hradilova, T. Zavodna, J. Belza, M. Irimia-Vladu, N. S. Sariciftci, C. Yumusak, K. Polakova
Microchemical Journal 202 (2024), 110740
- 7 **Recyclable fluorine-free water-borne binders for high-energy lithium-ion battery cathodes**
F. Leibetseder, J. Xie, E. Leeb, G. Hesser, K.-H. Pettinger, K. Bretterbauer
Advanced Energy Materials Vol 14, Issue 27 (2024), 2401074

- 8 **E-Mobility versus E-fuel mobility**
N.S. Sariciftci
AsiaChem (2024), Vol 3, Issue 1
- 9 **Leveraging bromine-induced large Stokes shift in pyrrolidinium perovskite nanoparticles for improved organic photovoltaic performance**
M. Munir, R. Arbi, J. Tan, P. Oliveira, S. Il Lee, M. C. Scharber, N. S. Sariciftci, F. Xu, G. Xu, A. Turak
Applied Nano Materials 7 (2024), 5405
- 10 **Facile preparation of stable Niⁱⁱ - and Coⁱⁱ - tetraaminophthalocyanine electropolymers for highly efficient heterogeneous carbon dioxide reduction**
J. Luangchaiyaporn, P. Chairat, R. Sodkhomkhum, N. S. Sariciftci, P. Thamyongkit
ChemCatChem Vol 16, Issue 17 (2024), e202400281
- 11 **Electrical response and biodegradation of Sepia melanin-shellac films printed on paper**
A. Camus, S. Choe, C. Bour-Cardinal, J. Isasmendi, Y. Cho, Y. Kim, C. Vlad Irimia, C. Yumusak, M. Irimia-Vladu, D. Rho, J. Myung, C. Santato
Communications Materials 5, Number 173 (2024)
- 12 **Natural polymers for emerging technological applications: cellulose, lignin, shellac and silk**
M. Irimia-Vladu, N. S. Sariciftci
Polymer International Vol 74, Issue 2 (2024), 71
- 13 **Nanocrystalline cellulose-based mixed ionic–electronic conductor for bioelectronics**
K. Matura, R. D’Orsi, L. Spagnuolo, F. Mayr, M. Cobet, C. Putz, A. Operamolla, S. Tekoglu
Journal of Materials Chemistry C 12 (2024) 16701
- 14 **Synthesis and structure–property relationship of meso-substituted porphyrin- and benzoporphyrin–thiophene conjugates toward electrochemical reduction of carbon dioxide**
H. Seelajaroen, D. H. Apaydin, B. Spingler, S. Jungsuttiwong, Y. Wongnongwa, R. Rojanathanes, N. S. Sariciftci, P. Thamyongkit
Energy Fuels 38 (2024), 16555
- 15 **The detection of organic polymers as contaminants in foodstuffs by means of the fluorescence decay of their auto fluorescence**
M. Versen, M. Wohlschläger, H. Langhals, C. Laforsch
Food and Humanity 3 (2024), 100363

16 **Verstärkung des Wirkungsgrads von Photovoltaik-Zellen durch optische Kopplung an OBISIM-Fluoreszenzfarbstoffe**

H. Langhals

Ger. Offen. DE 102024000070.4 (January 10, 2024)

17 **One-step cascade synthesis of ortho-bay-imidazolo-extended perylene biscalboximides (OBISIM) and their application as broad-spectrum fluorescent dyes**

H. Langhals, S. Kinzel, A. Obermeier

The Journal of Organic Chemistry 89 (2024), 2138

Citation Index of Author Sariciftci

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Total Publications		642
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