

List of publications Prof. Dr. F. A. Nüesch

1. Refereed publications (last update 30.4.2018)

- 179 Anna C. Véron, Anthony Linden, Nicolas A. Leclaire, Elsa Roedern, Shunbo Hu, Wei Ren, Daniel Rentsch, and Frank A. Nüesch, "One-Dimensional Organic-Inorganic Hybrid Perovskite Incorporating Near-Infrared-Absorbing Cyanine Cations", *J. Phys. Chem. Letters*, **9**, pp 2438–2442, (2018)
- 178 Sandra Jenatsch, Markus Regnat, Roland Hany, Matthias Diethelm, Frank Nüesch, and Beat Ruhstaller, "Time-Dependent p-i-n Structure and Emission Zone in Sandwich-Type Light-Emitting Electrochemical Cells", *ACS Photonics*, Article ASAP DOI: 10.1021/acsphotonics.8b00047 (2018)
- 177 Lei Wang, Sandra Jenatsch, Beat Ruhstaller, Christian Hinderling, Donatas Gesevičius, Roland Hany, Frank Nüesch, "Organic Salt Semiconductor with High Photoconductivity and Long Carrier Lifetime", *Advanced Functional Materials*, <https://doi.org/10.1002/adfm.201705724> (2018)
- 176 Karen Strassel, Adrian Kaiser, Sandra Jenatsch, Anna C. Véron, Surendra B. Anantharaman, Erwin Hack, Matthias Diethelm, Frank Nüesch, Rian Aderne, Cristiano Legnani, Sergii Yakunin, Marco Cremona, Roland Hany, "Squaraine Dye for a Visibly Transparent All-Organic Optical Upconversion Device with Sensitivity at 1000 nm", *ACS Appl. Mater. Interfaces*, **10** (13), pp 11063–11069 (2018)
- 175 P. Caspari, S.J. Dünki, F.A. Nüesch, D. M. Opris, "Dielectric elastomer actuators with increased dielectric permittivity and low leakage current capable of suppressing electromechanical instability", *Journal of Materials Chemistry C*, **6**(8), 2043-2053 (2018)
- 174 D. Gesevičius, A. Neels, S. Jenatsch, E. Hack, L. Viani, S. Athanasopoulos, F. Nüesch, J. Heier, "Increasing photovoltaic performance of an organic cationic chromophore by anion exchange", *Advanced Science*, **5**(2), 1700496 (2018)
- 173 Oswaldo Nunes-Neto, Augusto Batagin-Neto, Douglas M.G. Leite, Frank A. Nüesch, Carlos F.O. Graeff, "Magnetic field effects in Alq3-based OLEDs investigated by electrical impedance spectroscopy", *Organic Electronics*, **50**, 347-358 (2017)
- 172 S.B. Anantharaman, S. Yakunin, C. Peng, Vismara, M.V. Gonçalves, C.F.O. Graeff, F.A. Nüesch, S. Jenatsch, R. Hany, M.V. Kovalenko, J. Heier, "Strongly red-shifted photoluminescence band induced by molecular twisting in cyanine (Cy3) dye films", *Journal of Physical Chemistry C*, **121**(17), 9587-9593 (2017)
- 171 A. Borgschulte, O. Sambalova, R. Delmelle, S. Jenatsch, R. Hany, F. Nüesch, "Hydrogen reduction of molybdenum oxide at room temperature", *Scientific Reports*, **7**, 2045-2322 (2017)
- 170 S. Jenatsch, J. Groenewold, M. Dobeli, R. Hany, R. Crockett, J. Lubben, F. Nüesch, J. Heier, "Unexpected Equilibrium Ionic Distribution in Cyanine/C-60 Heterojunctions", *Advanced Materials Interfaces*, **4**, Article Number 1600891, (2017)
- 169 Y.S. Ko, F.A. Nüesch, D. Damjanovic, D.M. Opris, "An All-Organic Elastomeric Electret Composite", *Advanced Materials*, **29**, Article Number 1603813, (2017)
- 168 Y.S. Ko, F.A. Nüesch, D.M. Opris, "Charge generation by ultra-stretchable elastomeric electrets", *Journal of Materials Chemistry C*, **5**, 1826-1835 (2017)
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- 166 M. Makha, P. Testa, S.B. Anantharaman, J. Heier, S. Jenatsch, N. Leclaire, J.N. Tisserant, A.C. Veron, L. Wang, F. Nüesch, R. Hany, "Ternary semitransparent organic solar cells with a laminated top electrode", *Science and Technology of Advanced Materials*, **18**, 68-75 (2017)
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- 163 J.E.Q. Quinsaat, F.A. Nüesch, H. Hofmann, D.M. Opris, "Hydrophobization of silver nanoparticles through surface-initiated atom transfer radical polymerization", *RSC Advances*, **6**, 44254-44260 (2016)
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- 158 S. J. Dünki, M. Dascalu, F. A. Nüesch, D. M. Opris "Silicones with enhanced permittivity for dielectric elastomer actuators", *Proc. SPIE*, **9798**, Article number 97982K, (2016)
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- 156 H. Zhang, B. Niesen, E. Hack, S. Jenatsch, L. Wang, A. C. Veron, M. Makha, R. Schneider, Y. Arroyo, R. Hany, F. Nüesch, "Cyanine tandem and triple-junction solar cells", *Organic Electronics*, **30**, 191-199 (2016)

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4. Technical articles

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