Franziska Lissel

List of Publications by Year
in descending order

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40 papers	4,921 citations	304602 22 h-index	315616 38 g-index
41 all docs	41 docs citations	41 times ranked	7511 citing authors

#	Article	IF	Citations
1	A highly stretchable autonomous self-healing elastomer. Nature Chemistry, 2016, 8, 618-624.	6.6	1,133
2	Intrinsically stretchable and healable semiconducting polymer for organic transistors. Nature, 2016, 539, 411-415.	13.7	1,030
3	A highly stretchable, transparent, and conductive polymer. Science Advances, 2017, 3, e1602076.	4.7	962
4	Stretchable Self-Healing Polymeric Dielectrics Cross-Linked Through Metalâ€“Ligand Coordination. Journal of the American Chemical Society, 2016, 138, 6020-6027.	6.6	453
5	Concentrated mixed cation acetate â€œwater-in-saltâ€•solutions as green and low-cost high voltage electrolytes for aqueous batteries. Energy and Environmental Science, 2018, 11, 2876-2883.	15.6	315
6	Field-induced conductance switching by charge-state alternation in organometallic single-molecule junctions. Nature Nanotechnology, 2016, 11, 170-176.	15.6	155
7	Effect of Nonconjugated Spacers on Mechanical Properties of Semiconducting Polymers for Stretchable Transistors. Advanced Functional Materials, 2018, 28, 1804222.	7.8	134
8	High-Conductive Organometallic Molecular Wires with Delocalized Electron Systems Strongly Coupled to Metal Electrodes. Nano Letters, 2014, 14, 5932-5940.	4.5	87
9	Organometallic Single-Molecule Electronics: Tuning Electron Transport through X(diphosphine)₂FeC₄Fe(diphosphine)₂X Building Blocks by Varying the Feâ€“Xâ€“Au Anchoring Scheme from Coordinative to Covalent. Journal of the American Chemical Society, 2014, 136, 14560-14569.	6.6	74
10	Stepwise Construction of an Iron-Substituted Rigid-Rod Molecular Wire: Targeting a Tetraferraâ€“Tetracosaâ€“Decayne. Journal of the American Chemical Society, 2013, 135, 4051-4060.	6.6	53
11	Ultrasoft and Highâ€Mobility Block Copolymers for Skinâ€Compatible Electronics. Advanced Materials, 2021, 33, e2005416.	11.1	51
12	â€œColorless-to-Blackâ€•Electrochromic and AIE-Active Polyamides: An Effective Strategy for the Highest-Contrast Electrofluorochromism. Macromolecules, 2020, 53, 10117-10127.	2.2	42
13	Conjugated Polymers as a New Class of Dual-Mode Matrices for MALDI Mass Spectrometry and Imaging. Journal of the American Chemical Society, 2018, 140, 11416-11423.	6.6	41
14	High-Performance Emission/Color Dual-Switchable Polymer-Bearing Pendant Tetraphenylethylene (TPE) and Triphenylamine (TPA) Moieties. Macromolecules, 2019, 52, 5131-5139.	2.2	40
15	Prospects of Coupled Organicâ€“Inorganic Nanostructures for Charge and Energy Transfer Applications. Angewandte Chemie - International Edition, 2021, 60, 1152-1175.	7.2	39
16	MALDI Matrices for the Analysis of Low Molecular Weight Compounds: Rational Design, Challenges and Perspectives. Chemistry - an Asian Journal, 2021, 16, 868-878.	1.7	32
17	Rapid Detection of SARS-CoV-2 Antigens and Antibodies Using OFET Biosensors Based on a Soft and Stretchable Semiconducting Polymer. ACS Biomaterials Science and Engineering, 2023, 9, 2140-2147.	2.6	32
18	Metalâ€“Ligand Based Mechanophores Enhance Both Mechanical Robustness and Electronic Performance of Polymer Semiconductors. Advanced Functional Materials, 2021, 31, 2009201.	7.8	30

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19	Synergistic effect between electroactive tetraphenyl-p-phenylenediamine and AIE-active tetraphenylethylene for highly integrated electrochromic/electrofluorochromic performances. Journal of Materials Chemistry C, 2019, 7, 9308-9315.	2.7	28
20	Synthesis and Aggregation Behavior of a Glycolated Naphthalene Diimide Bithiophene Copolymer for Application in Low-Level n-Doped Organic Thermoelectrics. Macromolecules, 2020, 53, 5158-5168.	2.2	27
21	Dodecaborate cluster lipids with variable headgroups for boron neutron capture therapy: Synthesis, physicalâ€“chemical properties and toxicity. Journal of Organometallic Chemistry, 2009, 694, 1708-1712.	0.8	24
22	Surpassing the Exciton Diffusion Limit in Single-Walled Carbon Nanotube Sensitized Solar Cells. ACS Nano, 2016, 10, 11258-11265.	7.3	22
23	Poly(3â€hexylthiophene)s Functionalized with Nâ€Heterocyclic Carbenes as Robust and Conductive Ligands for the Stabilization of Gold Nanoparticles. Angewandte Chemie - International Edition, 2021, 60, 3912-3917.	7.2	15
24	Enhanced Charge Transport and Stability Conferred by Iron(III)â€Coordination in a Conjugated Polymer Thinâ€Film Transistors. Advanced Electronic Materials, 2018, 4, 1800239.	2.6	13
25	One-way rotation of a chemically anchored single molecule-rotor. Nanoscale, 2021, 13, 16077-16083.	2.8	11
26	Structural and Electronic Variations of sp/sp² Carbon-Based Bridges in Di- and Trinuclear Redox-Active Iron Complexes Bearing Fe(diphosphine)₂X (X = I, NCS) Moieties. Organometallics, 2015, 34, 408-418.	1.1	10
27	STM induced manipulation of azulene-based molecules and nanostructures: the role of the dipole moment. Nanoscale, 2020, 12, 24471-24476.	2.8	10
28	Synthesis and characterization of a semiconducting and solution-processable ruthenium-based polymetallayne. Polymer Chemistry, 2020, 11, 472-479.	1.9	9
29	Bottom-Up Design of Configurable Oligomer-Derived Conducting Metallopolymers for High-Power Electrochemical Energy Storage. ACS Nano, 2021, 15, 15422-15428.	7.3	9
30	Layer-by-Layer Assembly Enabled by the Anionic p-Dopant CN6-CP^{â€¢â€“}K⁺: a Route to Achieve Interfacial Doping of Organic Semiconductors. ACS Applied Materials & Interfaces, 2019, 11, 4159-4168.	4.0	8
31	Sequentially Processed P3HT/CN6â€CP^{â€¢â^'}NBu⁴⁺ Films: Interfacial or Bulk Doping?. Advanced Electronic Materials, 2020, 6, 1901346.	2.6	8
32	Amorphous Conjugated Polymers as Efficient Dualâ€Mode MALDI Matrices for Lowâ€Molecularâ€Weight Analytes. ChemPlusChem, 2019, 84, 1338-1345.	1.3	7
33	Charge Carrier Mobility Improvement in Diketopyrrolopyrrole Block-Copolymers by Shear Coating. Polymers, 2021, 13, 1435.	2.0	6
34	Polymerization as a Strategy to Improve Small Organic Matrices for Low-Molecular-Weight Compound Analytics with MALDI MS and MALDI MS Imaging. ACS Applied Polymer Materials, 2021, 3, 4234-4244.	2.0	4
35	Mit Nâ€heterocyclischen Carbenen funktionalisierte Poly(3â€hexylthiophene) als robuste und leitfÃhige Liganden zur Stabilisierung von Goldnanopartikeln. Angewandte Chemie, 2021, 133, 3958-3963.	1.6	2
36	Chemical Anchoring of Molecular Rotors. Advances in Atom and Single Molecule Machines, 2020, , 99-115.	0.0	2

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37	Synthesis and charge transfer characteristics of a rutheniumâ€“acetylide complex. RSC Advances, 2020, 10, 43242-43247.	1.7	1
38	Perspektiven gekoppelter organischâ€anorganischer Nanostrukturen fÃ¼r Ladungsâ€•und Energietransferanwendungen. Angewandte Chemie, 2021, 133, 1168-1194.	1.6	1
39	Synthese im Blickpunkt: Organische Elektronik flexibler und weicher machen. Nachrichten Aus Der Chemie, 2022, 70, 74-79.	0.0	0
40	Synthesis of linear unsubstituted poly(4,4â€²â€²triphenylamine) via <scp>Suzukiâ€Miyaura</scp> coupling of an asymmetric <scp>AB</scp> monomer. Journal of Polymer Science, 0, , .	2.0	0