

# Thomas Fuhrmann-Lieker

## List of Publications by Year in descending order

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38  
papers

2,479  
citations

394421

19  
h-index

330143

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

3092  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reversible Photo-Induced Reshaping of Imprinted Microstructures Using a Low Molecular Azo Dye. <i>Polymers</i> , 2022, 14, 586.	4.5	2
2	Mineralization of Phosphorylated Fish Skin Collagen/Mangosteen Scaffolds as Potential Materials for Bone Tissue Regeneration. <i>Molecules</i> , 2021, 26, 2899.	3.8	12
3	Polarization Dependent Photoinduced Supramolecular Chirality in High-Performance Azo Materials. <i>Molecules</i> , 2021, 26, 2842.	3.8	3
4	Is the diatom sex clock a clock?. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210146.	3.4	4
5	Phase Separation and Nanostructure Formation in Binary and Ternary Blends of Spiro-Linked Molecular Glasses. <i>Journal of Physical Chemistry B</i> , 2020, 124, 5507-5516.	2.6	2
6	Two-dimensional Wrinkle Resonators for Random Lasing in Organic Glasses. <i>Scientific Reports</i> , 2020, 10, 2434.	3.3	8
7	Photoinduced supramolecular chirality and spontaneous surface patterning in high-performance azo materials. <i>Journal of the European Optical Society-Rapid Publications</i> , 2019, 15, .	1.9	4
8	Determination of the saturation length and study of its effects in optical gain measurements of organic semiconductors using the variable stripe length method. <i>Applied Physics Letters</i> , 2019, 115, 173301.	3.3	0
9	Simultaneous uptake of a Förster transfer dye pair by diatoms: Application in determination of staining density. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 163, 105-109.	3.8	1
10	Optical amplification and photodegradation in films of spiro-quaterphenyl and its derivatives. <i>Journal of Luminescence</i> , 2015, 159, 47-54.	3.1	7
11	Surface Wrinkling Induced by Photofluidization of Low Molecular Azo Glasses. <i>ChemPhysChem</i> , 2013, 14, 424-430.	2.1	20
12	Photoinduced sign change of the magnetoresistance in field-effect transistors based on a bipolar molecular glass. <i>Chemical Communications</i> , 2013, 49, 4564.	4.1	11
13	Dye-sensitized solar cells based on a donor-functionalized spiro-perylenecarboximide. <i>Synthetic Metals</i> , 2012, 162, 888-892.	3.9	3
14	Staining diatoms with rhodamine dyes: control of emission colour in photonic biocomposites. <i>Journal of the Royal Society Interface</i> , 2012, 9, 727-733.	3.4	45
15	Bipolar redox behaviour, field-effect mobility and transistor switching of the low-molecular azo glass AZOPD. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 13828.	2.8	15
16	Ultraviolet-sensitive field-effect transistor utilized amorphous thin films of organic donor/acceptor dyad. <i>Applied Physics Letters</i> , 2007, 90, 143514.	3.3	23
17	Spiro Compounds for Organic Optoelectronics. <i>Chemical Reviews</i> , 2007, 107, 1011-1065.	47.7	915
18	Light responsive amorphous organic field-effect transistor based on spiro-linked compound. <i>Optical Materials</i> , 2007, 29, 879-884.	3.6	19

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19	Ambipolar organic phototransistor. <i>Optical Materials</i> , 2007, 29, 1332-1337.	3.6	31
20	Spiro Compounds for Organic Electroluminescence and Related Applications. <i>Advances in Polymer Science</i> , 2006, , 83-142.	0.8	116
21	Comparison of Charge-Carrier Transport in Thin Films of Spiro-Linked Compounds and Their Corresponding Parent Compounds. <i>Advanced Functional Materials</i> , 2006, 16, 966-974.	14.9	109
22	High ON/OFF ratio and stability of amorphous organic field-effect transistors based on spiro-linked compounds. <i>Synthetic Metals</i> , 2005, 148, 267-270.	3.9	75
23	Organic solid-state ultraviolet-laser based on spiro-terphenyl. <i>Applied Physics Letters</i> , 2005, 87, 161103.	3.3	63
24	Organic phototransistor based on intramolecular charge transfer in a bifunctional spiro compound. <i>Applied Physics Letters</i> , 2004, 84, 2334-2336.	3.3	206
25	Electric field assisted holographic recording of surface relief gratings in an azo-glass. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 205-209.	2.2	28
26	Diatoms as living photonic crystals. <i>Applied Physics B: Lasers and Optics</i> , 2004, 78, 257-260.	2.2	324
27	Improved outcoupling of light in organic light emitting devices, utilizing a holographic DFB-structure. <i>Journal of Luminescence</i> , 2004, 110, 413-417.	3.1	9
28	Guided electromagnetic waves in organic light emitting diode structures. <i>Organic Electronics</i> , 2003, 4, 219-226.	2.6	21
29	Highly efficient light emitters based on the spiro concept. <i>Organic Electronics</i> , 2003, 4, 61-69.	2.6	79
30	Spinodal patterning in organic-inorganic hybrid layer systems. <i>Applied Physics Letters</i> , 2002, 81, 4940-4942.	3.3	27
31	Molecular Azo Glasses as Grating Couplers and Resonators for Optical Devices. <i>Advanced Materials</i> , 2002, 14, 841.	21.0	41
32	Optical amplification in spiro-type molecular glasses. <i>Thin Solid Films</i> , 2002, 417, 20-25.	1.8	60
33	Ultrafast optical dynamics of spiro-compounds. <i>Synthetic Metals</i> , 2001, 121, 1497-1498.	3.9	16
34	Synthesis and Properties of a Hole-Conducting, Photopatternable Molecular Glass. <i>Chemistry of Materials</i> , 1999, 11, 2226-2232.	6.7	43
35	Photoinduced Opposite Diffusion of Nematic and Isotropic Monomers during Patterned Photopolymerization. <i>Chemistry of Materials</i> , 1998, 10, 135-145.	6.7	46
36	Photoresponsive liquid crystalline and amorphous polymers. <i>Macromolecular Symposia</i> , 1996, 101, 549-561.	0.7	3

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37	Biphoton-Induced Refractive Index Change in 4-Amino-4-nitroazobenzene/Polycarbonate. The Journal of Physical Chemistry, 1996, 100, 4135-4140.	2.9	77
38	Light Amplification Materials Based on Biopolymers Doped with Dye Molecules—Structural Insights from <sup>15</sup> N and <sup>13</sup> C Solid-State Dynamic Nuclear Polarization. Journal of Physical Chemistry C, 0, , .	3.1	3