

Christine Videlot-Ackermann

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83

papers

1,600

citations

22

h-index

37

g-index

88

ext. papers

1,714

ext. citations

6.2

avg, IF

4.17

L-index

#	Paper	IF	Citations
83	Design of organic semiconductors: tuning the electronic properties of pi-conjugated oligothiophenes with the 3,4-ethylenedioxythiophene (EDOT) building block. <i>Chemistry - A European Journal</i> , 2005 , 11, 3742-52	4.8	194
82	Alpha,omega-distyryl oligothiophenes: high mobility semiconductors for environmentally stable organic thin film transistors. <i>Journal of the American Chemical Society</i> , 2005 , 127, 16346-7	16.4	119
81	Organic transistors and phototransistors based on small molecules. <i>Polymer International</i> , 2012 , 61, 374-389	3.9	81
80	Pulsed-laser printing of organic thin-film transistors. <i>Applied Physics Letters</i> , 2009 , 95, 171109	3.4	81
79	Interplay of Optical, Morphological, and Electronic Effects of ZnO Optical Spacers in Highly Efficient Polymer Solar Cells. <i>Advanced Energy Materials</i> , 2014 , 4, 1400805	21.8	69
78	Enhanced Ultraviolet Stability of Air-Processed Polymer Solar Cells by Al Doping of the ZnO Interlayer. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1635-43	9.5	62
77	Toward High-Temperature Stability of PTB7-Based Bulk Heterojunction Solar Cells: Impact of Fullerene Size and Solvent Additive. <i>Advanced Energy Materials</i> , 2017 , 7, 1601486	21.8	46
76	Synthesis and thin film electronic properties of two pyrene-substituted oligothiophene derivatives. <i>Journal of Materials Chemistry</i> , 2006 , 16, 2380		42
75	A "kite" shaped styryl end-capped benzo[2,1-b:3,4-b']dithiophene with high electrical performances in organic thin film transistors. <i>Journal of the American Chemical Society</i> , 2008 , 130, 17681-3	16.4	39
74	Ligand-Free Synthesis of Aluminum-Doped Zinc Oxide Nanocrystals and their Use as Optical Spacers in Color-Tuned Highly Efficient Organic Solar Cells. <i>Advanced Functional Materials</i> , 2016 , 26, 243-253	15.6	38
73	Interfacial Engineering of P3HT/ZnO Hybrid Solar Cells Using Phthalocyanines: A Joint Theoretical and Experimental Investigation. <i>Advanced Energy Materials</i> , 2014 , 4, 1301694	21.8	38
72	Environmentally stable organic thin-films transistors: Terminal styryl vs central divinyl benzene building blocks for p-type oligothiophene semiconductors. <i>Organic Electronics</i> , 2006 , 7, 465-473	3.5	36
71	Visualizing morphological principles for efficient photocurrent generation in organic non-fullerene acceptor blends. <i>Energy and Environmental Science</i> , 2020 , 13, 1259-1268	35.4	34
70	Growth of organic semiconductors for hybrid solar cell application. <i>Thin Solid Films</i> , 2002 , 403-404, 157-161	16.1	32
69	Laser printing of a semiconducting oligomer as active layer in organic thin film transistors: Impact of a protecting triazene layer. <i>Thin Solid Films</i> , 2012 , 520, 3043-3047	2.2	31
68	Influence of molecular orientation on the photovoltaic properties of octithiophene. <i>Synthetic Metals</i> , 1999 , 102, 885-888	3.6	27
67	Shelf-life time test of p- and n-channel organic thin film transistors using copper phthalocyanines. <i>Thin Solid Films</i> , 2010 , 518, 5593-5598	2.2	25

66	Charge transfer effects in organic field-effect transistors containing a donor/acceptor heterojunction. <i>Synthetic Metals</i> , 2007 , 157, 551-557	3.6	25
65	Highly Efficient Hybrid Solar Cells Based on an Octithiophene/CuAs Heterojunction. <i>Advanced Functional Materials</i> , 2005 , 15, 810-817	15.6	25
64	Square-Centimeter-Sized High-Efficiency Polymer Solar Cells: How the Processing Atmosphere and Film Quality Influence Performance at Large Scale. <i>Advanced Energy Materials</i> , 2016 , 6, 1600290	21.8	24
63	The influence of branched alkyl side chains in AD Δ oligothiophenes on the photovoltaic performance and morphology of solution-processed bulk-heterojunction solar cells. <i>Organic Chemistry Frontiers</i> , 2017 , 4, 1561-1573	5.2	23
62	Laser printing of air-stable high performing organic thin film transistors. <i>Organic Electronics</i> , 2012 , 13, 2035-2041	3.5	23
61	Influence of Phenyl Perfluorination on Charge Transport Properties of Distyryl-Oligothiophenes in Organic Field-Effect Transistors. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 1567-1574	3.8	22
60	Effect of ZnO nanoparticles on the photochemical and electronic stability of P3HT used in polymer solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2016 , 155, 79-87	6.4	22
59	Ambipolar organic field-effect transistors based on CuPc and F16CuPc: Impact of the fine microstructure at organic/organic interface. <i>Synthetic Metals</i> , 2011 , 161, 1915-1920	3.6	21
58	Effect of end-substitutions of distyryl-oligothiophenes by hexyl chains on environmental stability in organic thin film transistors. <i>Organic Electronics</i> , 2008 , 9, 591-601	3.5	20
57	Laser-induced forward transfer of multi-layered structures for OTFT applications. <i>Applied Surface Science</i> , 2015 , 336, 11-15	6.7	19
56	Structure properties relationships of liquid crystal bent core organic semiconductors based on benzo[2,1-b:3,4-b']dithiophene-4,5-dione. <i>Journal of Materials Chemistry</i> , 2012 , 22, 23159		19
55	Time evolution studies of dithieno[3,2-b:2',3'-d]pyrrole-based AD Δ oligothiophene bulk heterojunctions during solvent vapor annealing towards optimization of photocurrent generation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 1005-1013	13	17
54	Towards solution-processed ambipolar hybrid thin-film transistors based on ZnO nanoparticles and P3HT polymer. <i>Superlattices and Microstructures</i> , 2013 , 58, 144-153	2.8	17
53	Acetylenic spacers in phenylene end-substituted oligothiophene core for highly air-stable organic field-effect transistors. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 3845-51	3.6	16
52	Multilayer laser printing for Organic Thin Film Transistors. <i>Applied Surface Science</i> , 2011 , 257, 5152-5155	6.7	16
51	P-type semiconductor surfactant modified zinc oxide nanorods for hybrid bulk heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2017 , 159, 608-616	6.4	15
50	Improvement in semiconductor laser printing using a sacrificial protecting layer for organic thin-film transistors fabrication. <i>Applied Surface Science</i> , 2011 , 257, 5245-5249	6.7	15
49	Electronic Properties and Field-Effect Transistors of Oligomers End-Capped with Benzofuran Moieties. <i>ChemPlusChem</i> , 2013 , 78, 459-466	2.8	14

48	Third-order nonlinear optical properties of oligothiophene-based thin films investigated by electroabsorption spectroscopy: Influence of conjugated chain length and electron-withdrawing substituents. <i>Synthetic Metals</i> , 2006 , 156, 154-161	3.6	14
47	Direct Hydrogen Evolution from Saline Water Reduction at Neutral pH using Organic Photocathodes. <i>ChemSusChem</i> , 2016 , 9, 3062-3066	8.3	13
46	p-Type and n-type quaterthiophene based semiconductors for thin film transistors operating in air?. <i>Current Applied Physics</i> , 2009 , 9, 26-33	2.6	12
45	Reduction of Charge-Carrier Recombination at ZnO-Polymer Blend Interfaces in PTB7-Based Bulk Heterojunction Solar Cells Using Regular Device Structure: Impact of ZnO Nanoparticle Size and Surfactant. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 17256-17264	9.5	11
44	Functional multilayered capacitor pixels printed by picosecond laser-induced forward transfer using a smart beam shaping technique. <i>Sensors and Actuators A: Physical</i> , 2015 , 224, 111-118	3.9	10
43	Morphology and structure of organic thin films for solar cells and transistors application. <i>Thin Solid Films</i> , 2002 , 403-404, 380-383	2.2	10
42	Conductive polymer interconnections for three-dimensional computing structures. <i>Surface Science</i> , 2003 , 532-535, 1182-1186	1.8	10
41	Core-cyanated distyryl-bithiophene: Synthesis and impact on charge transport in field-effect transistors. <i>Thin Solid Films</i> , 2010 , 519, 578-586	2.2	9
40	Impact of surfactants covering ZnO nanoparticles on solution-processed field-effect transistors: From dispersion state to solid state. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016 , 500, 214-221	5.1	9
39	A star-shaped molecule as hole transporting material in solution-processed thin-film transistors. <i>Synthetic Metals</i> , 2013 , 184, 35-40	3.6	8
38	Top gate copper phthalocyanine thin film transistors with laser-printed dielectric. <i>Synthetic Metals</i> , 2011 , 161, 888-893	3.6	8
37	Functionalization of π -shaped styryl end-capped benzodithiophene with ketone groups: synthesis, characterization and properties. <i>Tetrahedron</i> , 2011 , 67, 1628-1632	2.4	8
36	Comparison of p-channel transistors based on π -hexyl-distyryl-bithiophene prepared using various film deposition methods. <i>Thin Solid Films</i> , 2010 , 518, 5311-5320	2.2	8
35	Microcapacitors with controlled electrical capacity in the pF-fF range printed by laser-induced forward transfer (LIFT). <i>Organic Electronics</i> , 2015 , 20, 1-7	3.5	7
34	Interplay of Interfacial Layers and Blend Composition To Reduce Thermal Degradation of Polymer Solar Cells at High Temperature. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 3874-3884	9.5	6
33	Crystal structure of oligothiophene thin films characterized by two-dimensional grazing incidence X-ray diffraction. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 01AD01	1.4	6
32	Effect of molecular structure on bias stress effect in organic thin-film transistors. <i>Applied Surface Science</i> , 2011 , 257, 9386-9389	6.7	6
31	Photovoltaic solar cells based on rare earth bisphthalocyanine complexes. <i>Synthetic Metals</i> , 1999 , 102, 1052	3.6	6

30	High-Efficiency Digital Inkjet-Printed Non-Fullerene Polymer Blends Using Non-Halogenated Solvents. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2000086	1.6	6
29	Light absorption and hole-transport properties of copper corroles: from aggregates to a liquid crystal mesophase. <i>New Journal of Chemistry</i> , 2015 , 39, 7140-7146	3.6	5
28	Morphology and microstructure of picene thin-films for air-operating transistors. <i>Applied Surface Science</i> , 2014 , 314, 704-710	6.7	5
27	Toward n-channel organic thin film transistors based on a distyryl-bithiophene derivatives. <i>Tetrahedron</i> , 2012 , 68, 4664-4671	2.4	5
26	Perfluoroarene units in distyryl-oligothiophene analogues: An efficient electron density confinement preventing n-type transport in organic thin film transistors. <i>Synthetic Metals</i> , 2012 , 162, 857-861	3.6	5
25	Insight about electrical properties of low-temperature solution-processed Al-doped ZnO nanoparticle based layers for TFT applications. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016 , 214, 11-18	3.1	5
24	Morphological and crystalline characterization of pulsed laser deposited pentacene thin films for organic transistor applications. <i>Applied Surface Science</i> , 2017 , 418, 446-451	6.7	4
23	Thermal behaviour and thin film properties of a bis-pyrene compound for organic thin film transistor applications. <i>Synthetic Metals</i> , 2015 , 209, 29-33	3.6	4
22	In situ measurements of the structure and strain of a π -conjugated semiconducting polymer under mechanical load. <i>Journal of Applied Physics</i> , 2020 , 127, 045108	2.5	4
21	Fabrication and Characterization of Hybrid Organic-Inorganic Electron Extraction Layers for Polymer Solar Cells toward Improved Processing Robustness and Air Stability. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 17309-17317	9.5	4
20	Liquid Crystal π -Hexyl-Distyryl-Bithiophene: Morphology and Charge Transport Properties in Organic Thin Film Transistors. <i>Molecular Crystals and Liquid Crystals</i> , 2009 , 507, 178-187	0.5	4
19	Solution Growth and Structures of Semiconducting Distyryl-Oligothiophene. <i>Molecular Crystals and Liquid Crystals</i> , 2008 , 491, 264-269	0.5	4
18	Non-Fullerene Acceptors with an Extended π -Conjugated Core: Third Components in Ternary Blends for High-Efficiency, Post-Treatment-Free Organic Solar Cells. <i>ChemSusChem</i> , 2021 , 14, 3502-3510	8.3	4
17	Direct Correlation of Nanoscale Morphology and Device Performance to Study Photocurrent Generation in Donor-Enriched Phases of Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 28404-28415	9.5	3
16	Ozone Sensors Working at Room Temperature Using Zinc Oxide Nanocrystals Annealed at Low Temperature. <i>Proceedings (mdpi)</i> , 2017 , 1, 423	0.3	3
15	A New Active Organic Component for Flexible Ammonia Gas Sensors. <i>Procedia Engineering</i> , 2011 , 25, 1069-1072		3
14	Characterization of in-plane structures of vapor deposited thin-films of distyryl-oligothiophenes by grazing incidence x-ray diffractometry. <i>Crystal Research and Technology</i> , 2007 , 42, 1228-1231	1.3	3
13	Organic/Inorganic doped nickel oxide nanocrystals for hole transport layers in inverted polymer solar cells with color tuning. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 418-429	7.8	3

12	Theoretical insight on PTB7:PC71BM, PTB7-th:PC71BM and Si-PCPDTBT:PC71BM interactions governing blend nanoscale morphology for efficient solar cells. <i>Nano Energy</i> , 2021 , 82, 105708	17.1	3
11	New Antimony-Based Organic-Inorganic Hybrid Material as Electron Extraction Layer for Efficient and Stable Polymer Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 44820-44828	9.5	2
10	Comparative time resolved shadowgraphic imaging studies of nanosecond and picosecond laser transfer of organic materials 2008 ,		2
9	Organic thin films based on a dicyanovinyl-quaterthiophene: Influence of electrode configuration on third-order nonlinear optical properties measured by electroabsorption spectroscopy. <i>Applied Surface Science</i> , 2006 , 253, 1517-1521	6.7	2
8	The effect of air exposure on the crystal structure of oligo-thiophene thin films investigated using in situ X-ray diffraction. <i>Journal of Crystal Growth</i> , 2017 , 468, 816-820	1.6	1
7	Laser-induced forward transfer of a bis-pyrene compound for OTFTs. <i>Applied Surface Science</i> , 2015 , 336, 133-137	6.7	1
6	In situ Structural Study of Organic Semiconductor Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 2012 , 1402, 54		1
5	Inkjet printing of new photosensitive sensors based on organic thin films 2008 ,		1
4	Organic Thin Film Transistors Based on Distyryl-Oligothiophenes: Role of AFM Images in Analyses of Charge Transport Properties. <i>Open Journal of Applied Sciences</i> , 2012 , 02, 283-293	0.3	1
3	Ammonia Detection at Low Temperature by Tungsten Oxide Nanowires. <i>Proceedings (mdpi)</i> , 2018 , 2, 983	0.3	1
2	Exploring Charge Transport in High-Temperature Polymorphism of ITIC Derivatives in Simple Processed Unipolar Bottom Contact Organic Field-Effect Transistor. <i>Advanced Electronic Materials</i> , 2022 , 8, 2100743	6.4	1
1	Epitaxial Relationships of Vapor Deposited Thin Films of Octithiophene on KBr (001). <i>Molecular Crystals and Liquid Crystals</i> , 2006 , 445, 35/[325]-41/[331]	0.5	