

# Gilles Horowitz

## List of Publications by Year in descending order

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194  
papers

17,927  
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13099

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12946

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199  
docs citations

199  
times ranked

10451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of Gaussian Disorder on Power-Law Contact Resistance and Mobility in Organic Field-Effect Transistors. IEEE Transactions on Electron Devices, 2021, 68, 307-310.	3.0	4
2	Validity of the effective injection barrier in organic field-effect transistors. Journal Physics D: Applied Physics, 2021, 54, 095109.	2.8	3
3	Parametrization of the Gaussian Disorder Model to Account for the High Carrier Mobility in Disordered Organic Transistors. Physical Review Applied, 2021, 15, .	3.8	17
4	(Invited) Theoretical Frequency Limit of Organic Rectifier Diodes. ECS Meeting Abstracts, 2021, MA2021-01, 1061-1061.	0.0	0
5	Advances in Compact Modeling of Organic Field-Effect Transistors. IEEE Journal of the Electron Devices Society, 2020, 8, 1404-1415.	2.1	23
6	Compact modelling and SPICE simulation for three-dimensional, inkjet-printed organic transistors, inverters and ring oscillators. Journal Physics D: Applied Physics, 2019, 52, 444005.	2.8	17
7	Toward a Fully Analytical Contact Resistance Expression in Organic Transistors. Materials, 2019, 12, 1169.	2.9	15
8	A Compact Model and Parameter Extraction Method for a Staggered OFET With Power-Law Contact Resistance and Mobility. IEEE Transactions on Electron Devices, 2019, 66, 4894-4900.	3.0	30
9	Numerical Modeling of an Organic Electrochemical Transistor. Biosensors, 2018, 8, 103.	4.7	18
10	Lumped-element model of plasmonic solar cells. Solid-State Electronics, 2018, 147, 39-43.	1.4	3
11	Injection-modulated polarity conversion by charge carrier density control via a self-assembled monolayer for all-solution-processed organic field-effect transistors. Scientific Reports, 2017, 7, 46365.	3.3	27
12	A TIPS-TPDO-tetraCN-Based $n$ -Type Organic Field-Effect Transistor with a Cross-linked PMMA Polymer Gate Dielectric. ACS Applied Materials & Interfaces, 2016, 8, 14701-14708.	8.0	54
13	Simplified numerical simulation of organic photovoltaic devices. Journal of Computational Electronics, 2016, 15, 1095-1102.	2.5	8
14	Universal Compact Model for Organic Solar Cell. IEEE Transactions on Electron Devices, 2016, 63, 4053-4059.	3.0	5
15	Nonlinear Transport in Organic Thin Film Transistors with Soluble Small Molecule Semiconductor. Journal of Nanoscience and Nanotechnology, 2016, 16, 2779-2782.	0.9	0
16	Injection barrier at metal/organic semiconductor junctions with a Gaussian density-of-states. Journal Physics D: Applied Physics, 2015, 48, 395103.	2.8	32
17	Validity of the concept of band edge in organic semiconductors. Journal of Applied Physics, 2015, 118, .	2.5	49
18	Fundamental insights into the threshold characteristics of organic field-effect transistors. Journal Physics D: Applied Physics, 2015, 48, 035106.	2.8	20

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19	Equivalent Circuit Modeling for a High-Performance Large-Area Organic Photovoltaic Module. IEEE Journal of Photovoltaics, 2015, 5, 1100-1105.	2.5	7
20	Decoupling the Effects of Self-Assembled Monolayers on Gold, Silver, and Copper Organic Transistor Contacts. Advanced Materials Interfaces, 2015, 2, 1400384.	3.7	75
21	Strongly Correlated Alignment of Fluorinated 5,11-Bis(triethylgermylethynyl)anthradithiophene Crystallites in Solution-Processed Field-Effect Transistors. ChemPhysChem, 2014, 15, 2913-2916.	2.1	16
22	Impedance spectroscopy on copper phthalocyanine diodes with surface-induced molecular orientation. Organic Electronics, 2014, 15, 1724-1730.	2.6	20
23	Compact DC Modeling of Organic Field-Effect Transistors: Review and Perspectives. IEEE Transactions on Electron Devices, 2014, 61, 278-287.	3.0	95
24	Highly enhanced charge injection and bulk transport in organic gap-type diodes via one-pot treatment process: experiment and simulation. Micro and Nano Letters, 2014, 9, 887-890.	1.3	0
25	Organic Diodes with Highly Improved Charge Injection and Transport via One-Pot Treatment Process. Science of Advanced Materials, 2014, 6, 2483-2486.	0.7	1
26	Effects of the solvent polarity of a polymeric insulator on field-effect mobility in an organic thin-film transistor. Solid-State Electronics, 2013, 81, 140-143.	1.4	10
27	Charge Distribution and Contact Resistance Model for Coplanar Organic Field-Effect Transistors. IEEE Transactions on Electron Devices, 2013, 60, 280-287.	3.0	78
28	A Compact Model for Organic Field-Effect Transistors With Improved Output Asymptotic Behaviors. IEEE Transactions on Electron Devices, 2013, 60, 1136-1141.	3.0	85
29	Large enhancement of hole injection in pentacene by modification of gold with conjugated self-assembled monolayers. Organic Electronics, 2013, 14, 2108-2113.	2.6	21
30	Copolythiophene-based water-gated organic field-effect transistors for biosensing. Journal of Materials Chemistry B, 2013, 1, 2090.	5.8	41
31	Rod-coil and all-conjugated block copolymers for photovoltaic applications. Progress in Polymer Science, 2013, 38, 791-844.	24.7	125
32	Templating and Charge Injection from Copper Electrodes into Solution-Processed Organic Field-Effect Transistors. ACS Applied Materials & Interfaces, 2013, 5, 3716-3721.	8.0	29
33	Tuning the threshold voltage in electrolyte-gated organic field-effect transistors. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 8394-8399.	7.1	94
34	Amphiphilic conjugated block copolymers for efficient bulk heterojunction solar cells. Journal of Materials Chemistry, 2012, 22, 4511.	6.7	20
35	Persistent photoexcitation effect on the poly(3-hexylthiophene) film: Impedance measurement and modeling. Synthetic Metals, 2012, 162, 460-465.	3.9	30
36	Effect of self assembled monolayers on charge carrier photogeneration in sexithiophene based diodes. Synthetic Metals, 2012, 162, 1741-1745.	3.9	5

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37	DNA detection with a water-gated organic field-effect transistor. <i>Organic Electronics</i> , 2012, 13, 1-6.	2.6	127
38	Phospholipid film in electrolyte-gated organic field-effect transistors. <i>Organic Electronics</i> , 2012, 13, 638-644.	2.6	54
39	An effective method to minimize the leakage current in organic thin-film transistors by using blends of various molecular weights. <i>Organic Electronics</i> , 2012, 13, 1255-1260.	2.6	15
40	Advances in organic transistor-based biosensors: from organic electrochemical transistors to electrolyte-gated organic field-effect transistors. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 1813-1826.	3.7	247
41	Fundamental Benefits of the Staggered Geometry for Organic Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2011, 32, 1302-1304.	3.9	77
42	Capacitive behavior of pentacene-based diodes: Quasistatic dielectric constant and dielectric strength. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	94
43	Influence of Substrate Surface Chemistry on the Performance of Top-Gate Organic Thin-Film Transistors. <i>Journal of the American Chemical Society</i> , 2011, 133, 9968-9971.	13.7	50
44	Use of poly(3-hexylthiophene)/poly(methyl methacrylate) (P3HT/PMMA) blends to improve the performance of water-gated organic field-effect transistors. <i>Organic Electronics</i> , 2011, 12, 1253-1257.	2.6	56
45	Charge carrier injection and transport associated with thermally generated cracks in a 6,13-bis(triisopropylsilylethynyl) pentacene thin-film transistor. <i>Solid-State Electronics</i> , 2011, 63, 163-166.	1.4	25
46	Modeling the low-voltage regime of organic diodes: Origin of the ideality factor. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	49
47	Organic Metal-Semiconductor Field-Effect Transistor (OMESFET) Fabricated on a Rubrene Single Crystal. <i>Advanced Materials</i> , 2010, 22, 424-428.	21.0	30
48	A Water-Gate Organic Field-Effect Transistor. <i>Advanced Materials</i> , 2010, 22, 2565-2569.	21.0	265
49	Modification of gold source and drain electrodes by self-assembled monolayer in staggered n- and p-channel organic thin film transistors. <i>Organic Electronics</i> , 2010, 11, 227-237.	2.6	108
50	Photogeneration process in pristine sexithiophene based photovoltaic cells. <i>Organic Electronics</i> , 2010, 11, 1439-1444.	2.6	5
51	Influence of the semi-conductor layer thickness on electrical performance of staggered n- and p-channel organic thin-film transistors. <i>Organic Electronics</i> , 2010, 11, 291-298.	2.6	54
52	Surface engineering for high performance organic electronic devices: the chemical approach. <i>Journal of Materials Chemistry</i> , 2010, 20, 2513.	6.7	133
53	Modeling of mobility in organic thin-film transistor based octithiophene (8T). <i>Synthetic Metals</i> , 2010, 160, 1787-1792.	3.9	22
54	44.1: Introducing a Two Stage Fully Organic AMOLED Display; from Design to Fabrication. <i>Digest of Technical Papers SID International Symposium</i> , 2009, 40, 653-655.	0.3	0

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55	High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2009, 21, 1473-1486.	21.0	641
56	Subthreshold regime in rubrene single-crystal organic transistors. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 193-201.	2.3	24
57	Solution processible naphthalene and perylene bisimides: Synthesis, electrochemical characterization and application to organic field effect transistors (OFETs) fabrication. <i>Synthetic Metals</i> , 2009, 159, 1478-1485.	3.9	75
58	Contact resistance and threshold voltage extraction in n-channel organic thin film transistors on plastic substrates. <i>Journal of Applied Physics</i> , 2009, 105, .	2.5	50
59	Interfaces in Organic Field-Effect Transistors. <i>Advances in Polymer Science</i> , 2009, , 113-153.	0.8	22
60	A SPICE-like DC Model for Organic Thin-Film Transistors. <i>Journal of the Korean Physical Society</i> , 2009, 54, 523-526.	0.7	16
61	Improving charge injection in organic thin-film transistors with thiol-based self-assembled monolayers. <i>Organic Electronics</i> , 2008, 9, 419-424.	2.6	112
62	Organic thin-film transistors modeling; simulation and design of a fully organic AMOLED pixel circuit. , 2008, , .		3
63	Self-Assembly of an Octanethiol Monolayer on a Gold-Stepped Surface. <i>Langmuir</i> , 2008, 24, 2042-2050.	3.5	14
64	Low-Operating-Voltage Organic Transistors Made of Bifunctional Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2007, 17, 597-604.	14.9	90
65	Organic inverter circuits employing ambipolar pentacene field-effect transistors. <i>Applied Physics Letters</i> , 2006, 89, 033512.	3.3	93
66	Modification of Indium Tin Oxide Films by Alkanethiol and Fatty Acid Self-Assembled Monolayers: A Comparative Study. <i>Langmuir</i> , 2006, 22, 3118-3124.	3.5	42
67	Organic Transistors. , 2006, , 1-32.		10
68	Tuning light emission colour of AlQ3 through oligothiophene substituents. , 2006, , .		1
69	Field-induced mobility degradation in pentacene thin-film transistors. <i>Organic Electronics</i> , 2006, 7, 528-536.	2.6	128
70	On the crucial role of the insulator-semiconductor interface in organic thin-film transistors. , 2006, , .		4
71	High-Performance Ambipolar Pentacene Organic Field-Effect Transistors on Poly(vinyl alcohol) Organic Gate Dielectric. <i>Advanced Materials</i> , 2005, 17, 2315-2320.	21.0	215
72	Extracting Parameters from the Current-Voltage Characteristics of Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2004, 14, 1069-1074.	14.9	170

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73	Growth of polyalkylthiophene films by matrix assisted pulsed laser evaporation. <i>Organic Electronics</i> , 2004, 5, 29-34.	2.6	54
74	Organic thin film transistors: From theory to real devices. <i>Journal of Materials Research</i> , 2004, 19, 1946-1962.	2.6	779
75	Structure-performance relationship in pentacene/Al <sub>2</sub> O <sub>3</sub> thin-film transistors. <i>Synthetic Metals</i> , 2004, 146, 279-282.	3.9	64
76	Tunneling Current in Polycrystalline Organic Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2003, 13, 53-60.	14.9	135
77	HREELS Study of Self-Assembled Monolayers of Alkylthiols Functionalized with Oligothiophene Moieties: An Extreme Surface Analysis and Evidence for Intermolecular Interactions. <i>Langmuir</i> , 2003, 19, 2649-2657.	3.5	14
78	Tunnel current in organic field-effect transistors. <i>Synthetic Metals</i> , 2003, 138, 101-105.	3.9	23
79	Effect of an external electric field on the charge transport parameters in organic molecular semiconductors. <i>Journal of Chemical Physics</i> , 2003, 119, 12563-12568.	3.0	49
80	New advances on the characterisation of polymer surfaces by HREELS. <i>Macromolecular Symposia</i> , 2002, 184, 49-66.	0.7	0
81	Oligothiophene films under electron irradiation: electron mobility and contact potentials. <i>Materials Science and Engineering C</i> , 2002, 22, 367-372.	7.3	17
82	Charge transport in polycrystalline oligothiophene thin film transistors. <i>Synthetic Metals</i> , 2001, 121, 1349-1350.	3.9	7
83	Near gap region analysis in HREELS spectra of $\hat{\pm}$ -oligothiophene thin films. <i>Synthetic Metals</i> , 2001, 121, 1437-1438.	3.9	0
84	Grain size dependent mobility in polycrystalline organic field-effect transistors. <i>Synthetic Metals</i> , 2001, 122, 185-189.	3.9	204
85	Directional dispersion of exciton levels in $\hat{\pm}$ -oligothiophenes. <i>Synthetic Metals</i> , 2001, 119, 589-590.	3.9	11
86	Charge Transport in Polycrystalline Organic Field-Effect Transistors. <i>Solid State Phenomena</i> , 2001, 80-81, 3-14.	0.3	2
87	Low driving voltages and memory effect in organic thin-film transistors with a ferroelectric gate insulator. <i>Applied Physics Letters</i> , 2001, 79, 659-661.	3.3	75
88	Mobility in Polycrystalline Oligothiophene Field-Effect Transistors Dependent on Grain Size. <i>Advanced Materials</i> , 2000, 12, 1046-1050.	21.0	367
89	Experimental determination of excitonic levels in $\hat{\pm}$ -oligothiophenes. <i>Journal of Chemical Physics</i> , 2000, 113, 385-391.	3.0	81
90	Temperature and gate voltage dependence of hole mobility in polycrystalline oligothiophene thin film transistors. <i>Journal of Applied Physics</i> , 2000, 87, 4456-4463.	2.5	551

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91	Photoconductivity of sexithiophene single crystals. <i>Physical Review B</i> , 1999, 59, 10651-10656.	3.2	25
92	Surface analysis of oligothiophene films using HREELS: molecular orientation effects. <i>Advanced Materials for Optics and Electronics</i> , 1999, 9, 211-218.	0.4	17
93	Structure-Dependent Fluorescence in Sexithiophene Single Crystals. <i>Advanced Materials</i> , 1999, 11, 234-238.	21.0	37
94	Field-effect transistors based on short organic molecules. <i>Journal of Materials Chemistry</i> , 1999, 9, 2021-2026.	6.7	125
95	Theory of the organic field-effect transistor. <i>Synthetic Metals</i> , 1999, 101, 401-404.	3.9	126
96	Optical characterisation of 6t and 4t single crystals by ellipsometry; anisotropy and crystalline structure. <i>Synthetic Metals</i> , 1999, 101, 536-537.	3.9	7
97	Hreels studies on the electronic structure of oligothiophene films. <i>Synthetic Metals</i> , 1999, 101, 606-607.	3.9	7
98	Improved electroluminescence from oligothiophenes. <i>Synthetic Metals</i> , 1999, 102, 1071-1072.	3.9	3
99	Gate voltage dependent mobility of oligothiophene field-effect transistors. <i>Journal of Applied Physics</i> , 1999, 85, 3202-3206.	2.5	287
100	Organic Field-Effect Transistors. <i>Advanced Materials</i> , 1998, 10, 365-377.	21.0	2,168
101	Polymorphism in Oligothiophenes with an Even Number of Thiophene Subunits. <i>Advanced Materials</i> , 1998, 10, 382-385.	21.0	157
102	The Concept of "Threshold Voltage" in Organic Field-Effect Transistors. <i>Advanced Materials</i> , 1998, 10, 923-927.	21.0	258
103	Photoinduced spontaneous and stimulated emission in sexithiophene single crystals. <i>Optical Materials</i> , 1998, 9, 46-52.	3.6	60
104	Disorder influenced optical properties of $\hat{1}\pm$ -sexithiophene single crystals and thin evaporated films. <i>Chemical Physics</i> , 1998, 227, 49-56.	1.9	54
105	Dihexylquaterthiophene, A Two-Dimensional Liquid Crystal-like Organic Semiconductor with High Transport Properties". <i>Chemistry of Materials</i> , 1998, 10, 3334-3339.	6.7	206
106	The four-level stimulated emission in sexithiophene single crystals. <i>Applied Physics Letters</i> , 1998, 72, 2087-2089.	3.3	46
107	Polarized fluorescence in $\hat{1}\pm$ -sexithienyl single crystal at 4.2 K. <i>Journal of Chemical Physics</i> , 1998, 108, 7327-7333.	3.0	90
108	Theory of the Organic Field Effect Transistor. <i>Molecular Crystals and Liquid Crystals</i> , 1998, 322, 63-70.	0.3	3

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109	Vers la diode laser organique ?. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1325-1330.	0.2	1
110	Tunneling at Organic/Metal Interfaces in Oligomer-Based Thin-Film Transistors. MRS Bulletin, 1997, 22, 52-56.	3.5	17
111	Stimulated emission in sexithiophene single crystals. , 1997, 3145, 340.		0
112	Spectroscopic Evidence for a Substrate Dependent Orientation of Sexithiophene Thin Films Deposited onto Oriented PTFE. Journal of Physical Chemistry B, 1997, 101, 8204-8211.	2.6	32
113	Role of mesoscopic molecular organization in organic-based thin film transistors. Supramolecular Science, 1997, 4, 155-162.	0.7	19
114	Substrate Dependent Orientation and Structure of Sexithiophene Thin Films. Synthetic Metals, 1997, 84, 605-606.	3.9	25
115	Structural, spectroscopic and device characteristics of octithiophene. Synthetic Metals, 1997, 85, 1309-1312.	3.9	19
116	Optoelectronic properties of sexithiophene single crystals. Synthetic Metals, 1997, 90, 187-192.	3.9	26
117	Femtosecond dynamics of excited states in sexithiophene thin films. Chemical Physics, 1997, 215, 131-138.	1.9	8
118	Tuning of the Electronic and Optical Properties of Oligothiophenes via Cyano Substitution: A Joint Experimental and Theoretical Study. Journal of Physical Chemistry B, 1997, 101, 4553-4558.	2.6	68
119	Thermal and optical characterization of high purity $\alpha$ -octithiophene. Advanced Materials, 1997, 9, 75-80.	21.0	54
120	Improved field-effect mobility in short oligothiophenes: Quaterthiophene and quinquethiophene. Advanced Materials, 1997, 9, 389-391.	21.0	126
121	Organic transistors using $\alpha$ -octithiophene and $\beta$ -dihexyl- $\alpha$ -octithiophene: Influence of oligomer length versus molecular ordering on mobility. Advanced Materials, 1997, 9, 557-561.	21.0	76
122	Molecular order in organic-based field-effect transistors. Synthetic Metals, 1996, 81, 163-171.	3.9	78
123	Field-effect transistor made with a sexithiophene single crystal. Advanced Materials, 1996, 8, 52-54.	21.0	224
124	Origin of the "ohmic" current in organic field-effect transistors. Advanced Materials, 1996, 8, 177-179.	21.0	25
125	Evidence for n-type conduction in a perylene tetracarboxylic diimide derivative. Advanced Materials, 1996, 8, 242-245.	21.0	273
126	Growth and structural characterization of the Quasi-2D single crystal of $\alpha$ -octithiophene. Advanced Materials, 1996, 8, 500-504.	21.0	129



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127	Cyclic voltammetry and differential cyclic voltabsorptometry of soluble oligothiophenes: evidence for a four-fold charged $\pi$ -dimer in duodecithiophene. <i>Journal of Electroanalytical Chemistry</i> , 1995, 399, 97-103.	3.8	63
128	Growth and Characterization of Sexithiophene Single Crystals. <i>Chemistry of Materials</i> , 1995, 7, 1337-1341.	6.7	542
129	Temperature Dependence of the Field-Effect Mobility of Sexithiophene. Determination of the Density of Traps. <i>Journal De Physique III</i> , 1995, 5, 355-371.	0.3	156
130	Orientation et structure de films de sexithiophène (6T) déposés sur couches de PTFE orientées par friction. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1995, 92, 963-966.	0.2	8
131	Étude de l'orientation et de la structure de films de sexithiophène (6T) déposés sur les surfaces de $\text{SiO}_2$ et de SiH/Si. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1995, 92, 967-970.	0.2	3
132	Control of the mesoscopic organization of conjugated thiophene oligomers, induced by self-assembly properties. <i>Electrochimica Acta</i> , 1994, 39, 1339-1344.	5.2	13
133	Crystal structure of $\pi$ -bis(triisopropylsilyl)-sexithiophene: Unusual conjugated chain distortion induced by interchain steric effects. <i>Advanced Materials</i> , 1994, 6, 660-663.	21.0	62
134	Two-layer light-emitting diodes based on sexithiophene and derivatives. <i>Advanced Materials</i> , 1994, 6, 752-755.	21.0	120
135	ESR and optical spectroscopy evidence for a chain-length dependence of the charged states of thiophene oligomers. Extrapolation to polythiophene. <i>Synthetic Metals</i> , 1994, 62, 245-252.	3.9	96
136	Transient electroluminescence of monolayer and bilayer sexithiophene diodes. <i>Synthetic Metals</i> , 1994, 67, 197-200.	3.9	31
137	Structural control of the optical properties of thin films of oligothiophenes. <i>Synthetic Metals</i> , 1994, 67, 277-280.	3.9	20
138	Polymorphism and Charge Transport in Vacuum-Evaporated Sexithiophene Films. <i>Chemistry of Materials</i> , 1994, 6, 1809-1815.	6.7	282
139	Control of the Mesoscopic Organization of Conjugated Thiophene Oligomers, Induced by Self-Assembly Properties. , 1994, , 263-271.		1
140	X-ray determination of the crystal structure and orientation of vacuum evaporated sexithiophene films. <i>Advanced Materials</i> , 1993, 5, 461-464.	21.0	141
141	Molecular engineering of organic semiconductors: design of self-assembly properties in conjugated thiophene oligomers. <i>Journal of the American Chemical Society</i> , 1993, 115, 8716-8721.	13.7	749
142	Structure effect on transport of charge carriers in conjugated oligomers. <i>Synthetic Metals</i> , 1993, 57, 4747-4754.	3.9	33
143	All-organic field-effect transistors made of $\pi$ -conjugated oligomers and polymeric insulators. <i>Synthetic Metals</i> , 1993, 54, 435-445.	3.9	125
144	Structure Effects on Transport of Charge Carriers in Conjugated Oligomers. <i>Molecular Crystals and Liquid Crystals</i> , 1993, 228, 81-86.	0.3	4

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145	Extended Oligothiophenes : New Materials for Molecular Electronics. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 217, 193-196.	0.3	5
146	Role of the semiconductor/insulator interface in the characteristics of $\pi$ -conjugated-oligomer-based thin-film transistors. <i>Synthetic Metals</i> , 1992, 51, 419-424.	3.9	106
147	Low temperature optical absorption of polycrystalline thin films of $\beta$ -quaterthiophene, $\beta$ -sexithiophene and $\beta$ -octithiophene, three model oligomers of polythiophene. <i>Synthetic Metals</i> , 1992, 48, 167-179.	3.9	105
148	Influence of the molecular structure on the refractive index of semiconducting dialkylated sexithiophenes. <i>Journal of Applied Physics</i> , 1992, 72, 4873-4876.	2.5	13
149	From oligomers to polymer. An insight into the electrochemical doping/dedoping of polythiophene from electrochemical data on thiophene oligomers. <i>Journal of Electroanalytical Chemistry</i> , 1992, 335, 123-134.	3.8	28
150	Electrochemical coupling of dialkylated sexithiophene. <i>Advanced Materials</i> , 1992, 4, 107-110.	21.0	93
151	Synthesis and characterization of a tetra-alkylated alpha-conjugated duodecithiophene. <i>Advanced Materials</i> , 1992, 4, 490-494.	21.0	94
152	Transistors à effet de champ à base d'oligomères organiques conjugués. Réalisation, modulation et comparaison avec les semiconducteurs inorganiques. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1992, 89, 1037-1044.	0.2	1
153	Influence de la nature de l'isolant sur les performances des transistors à effet de champ à base de sexithiophène alpha-conjugué. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1992, 89, 1085-1090.	0.2	3
154	Augmentation de la mobilité des porteurs de charge dans des films minces de sexithiophène par inclusion électrochimique d'ions métalliques. <i>Journal De Chimie Physique Et De Physico-Chimie Biologique</i> , 1992, 89, 1117-1123.	0.2	0
155	An analytical model for organic-based thin-film transistors. <i>Journal of Applied Physics</i> , 1991, 70, 469-475.	2.5	251
156	Preparation of charge-transfer complexes based on thiophene and paraphenylene oligomers as electron donors. <i>Synthetic Metals</i> , 1991, 42, 2319-2322.	3.9	10
157	Generation of stabilized polarons and bipolarons on extended model thiophene oligomers. <i>Synthetic Metals</i> , 1991, 41, 463-469.	3.9	62
158	Thin-film transistors based on alpha-conjugated oligomers. <i>Synthetic Metals</i> , 1991, 41, 1127-1130.	3.9	76
159	Structural basis for high carrier mobility in conjugated oligomers. <i>Synthetic Metals</i> , 1991, 45, 163-171.	3.9	129
160	Large enhancement of the carrier mobility in semiconducting $\beta$ -sexithienylene thin films by pulsed electrochemical inclusion of metal. <i>Advanced Materials</i> , 1991, 3, 150-153.	21.0	40
161	Organic-based field-effect transistors: Critical analysis of the semiconducting characteristics of organic materials. <i>Molecular Engineering</i> , 1991, 1, 131-139.	0.2	15
162	Organic Semiconductors for new electronic devices. <i>Advanced Materials</i> , 1990, 2, 287-292.	21.0	120

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163	An all-organic "soft" thin film transistor with very high carrier mobility. <i>Advanced Materials</i> , 1990, 2, 592-594.	21.0	552
164	Evidence for a linear low-voltage space-charge-limited current in organic thin films. Film thickness and temperature dependence in alpha-conjugated sexithienyl. <i>Journal De Physique</i> , 1990, 51, 1489-1499.	1.8	36
165	All-organic thin-film transistors made of alpha-sexithienyl semiconducting and various polymeric insulating layers. <i>Applied Physics Letters</i> , 1990, 57, 2013-2015.	3.3	171
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