

Gilles Horowitz

List of Publications by Year in descending order

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194
papers

17,927
citations

13099

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199
docs citations

199
times ranked

10451
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic Field-Effect Transistors. <i>Advanced Materials</i> , 1998, 10, 365-377.	21.0	2,168
2	Organic thin film transistors: From theory to real devices. <i>Journal of Materials Research</i> , 2004, 19, 1946-1962.	2.6	779
3	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
4	High-Performance Organic Field-Effect Transistors. <i>Advanced Materials</i> , 2009, 21, 1473-1486.	21.0	641
5	An all-organic "soft" thin film transistor with very high carrier mobility. <i>Advanced Materials</i> , 1990, 2, 592-594.	21.0	552
6	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
7	Growth and Characterization of Sexithiophene Single Crystals. <i>Chemistry of Materials</i> , 1995, 7, 1337-1341.	6.7	542
8	A field-effect transistor based on conjugated alpha-sexithienyl. <i>Solid State Communications</i> , 1989, 72, 381-384.	1.9	476
9	Mobility in Polycrystalline Oligothiophene Field-Effect Transistors Dependent on Grain Size. <i>Advanced Materials</i> , 2000, 12, 1046-1050.	21.0	367
10	Stoichiometric control of the successive generation of the radical cation and dication of extended π -conjugated oligothiophenes: a quantitative model for doped polythiophene. <i>Synthetic Metals</i> , 1990, 39, 243-259.	3.9	287
11	Gate voltage dependent mobility of oligothiophene field-effect transistors. <i>Journal of Applied Physics</i> , 1999, 85, 3202-3206.	2.5	287
12	Polymorphism and Charge Transport in Vacuum-Evaporated Sexithiophene Films. <i>Chemistry of Materials</i> , 1994, 6, 1809-1815.	6.7	282
13	Evidence for n-type conduction in a perylene tetracarboxylic diimide derivative. <i>Advanced Materials</i> , 1996, 8, 242-245.	21.0	273
14	A Water-Gate Organic Field-Effect Transistor. <i>Advanced Materials</i> , 2010, 22, 2565-2569.	21.0	265
15	The Concept of "Threshold Voltage" in Organic Field-Effect Transistors. <i>Advanced Materials</i> , 1998, 10, 923-927.	21.0	258
16	An analytical model for organic-based thin film transistors. <i>Journal of Applied Physics</i> , 1991, 70, 469-475.	2.5	251
17	The oligothiophene-based field-effect transistor: How it works and how to improve it. <i>Journal of Applied Physics</i> , 1990, 67, 528-532.	2.5	249
18	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

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19	Field-effect transistor made with a sexithiophene single crystal. <i>Advanced Materials</i> , 1996, 8, 52-54.	21.0	224
20	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
21	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
22	Grain size dependent mobility in polycrystalline organic field-effect transistors. <i>Synthetic Metals</i> , 2001, 122, 185-189.	3.9	204
23	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
24	Extracting Parameters from the Current-Voltage Characteristics of Organic Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2004, 14, 1069-1074.	14.9	170
25	Electrochemically grown polythiophene and poly(3-methylthiophene) organic photovoltaic cells. <i>Thin Solid Films</i> , 1984, 111, 93-103.	1.8	157
26	Polymorphism in Oligothiophenes with an Even Number of Thiophene Subunits. <i>Advanced Materials</i> , 1998, 10, 382-385.	21.0	157
27	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
28	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
29	Tunneling Current in Polycrystalline Organic Thin-Film Transistors. <i>Advanced Functional Materials</i> , 2003, 13, 53-60.	14.9	135
30	Surface engineering for high performance organic electronic devices: the chemical approach. <i>Journal of Materials Chemistry</i> , 2010, 20, 2513.	6.7	133
31	Structural basis for high carrier mobility in conjugated oligomers. <i>Synthetic Metals</i> , 1991, 45, 163-171.	3.9	129
32	Growth and structural characterization of the Quasi-2D single crystal of β -octithiophene. <i>Advanced Materials</i> , 1996, 8, 500-504.	21.0	129
33	Field-induced mobility degradation in pentacene thin-film transistors. <i>Organic Electronics</i> , 2006, 7, 528-536.	2.6	128
34	DNA detection with a water-gated organic field-effect transistor. <i>Organic Electronics</i> , 2012, 13, 1-6.	2.6	127
35	Improved field-effect mobility in short oligothiophenes: Quaterthiophene and quinquethiophene. <i>Advanced Materials</i> , 1997, 9, 389-391.	21.0	126
36	Theory of the organic field-effect transistor. <i>Synthetic Metals</i> , 1999, 101, 401-404.	3.9	126

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37	All-organic field-effect transistors made of π -conjugated oligomers and polymeric insulators. <i>Synthetic Metals</i> , 1993, 54, 435-445.	3.9	125
38	Field-effect transistors based on short organic molecules. <i>Journal of Materials Chemistry</i> , 1999, 9, 2021-2026.	6.7	125
39	Rod ∞ coil and all-conjugated block copolymers for photovoltaic applications. <i>Progress in Polymer Science</i> , 2013, 38, 791-844.	24.7	125
40	Organic Semiconductors for new electronic devices. <i>Advanced Materials</i> , 1990, 2, 287-292.	21.0	120
41	Two-layer light-emitting diodes based on sexithiophene and derivatives. <i>Advanced Materials</i> , 1994, 6, 752-755.	21.0	120
42	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
43	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
44	Role of the semiconductor/insulator interface in the characteristics of π -conjugated-oligomer-based thin-film transistors. <i>Synthetic Metals</i> , 1992, 51, 419-424.	3.9	106
45	Low temperature optical absorption of polycrystalline thin films of $\hat{1}\pm$ -quaterthiophene, $\hat{1}\pm$ -sexithiophene and $\hat{1}\pm$ -octithiophene, three model oligomers of polythiophene. <i>Synthetic Metals</i> , 1992, 48, 167-179.	3.9	105
46	Polaron and bipolaron formation on isolated model thiophene oligomers in solution. <i>Synthetic Metals</i> , 1990, 39, 125-131.	3.9	103
47	Conjugated polymers and oligomers as active material for electronic devices. <i>Synthetic Metals</i> , 1989, 28, 705-714.	3.9	97
48	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
49	Compact DC Modeling of Organic Field-Effect Transistors: Review and Perspectives. <i>IEEE Transactions on Electron Devices</i> , 2014, 61, 278-287.	3.0	95
50	Synthesis and characterization of a tetra-alkylated alpha-conjugated duodecithiophene. <i>Advanced Materials</i> , 1992, 4, 490-494.	21.0	94
51	Capacitive behavior of pentacene-based diodes: Quasistatic dielectric constant and dielectric strength. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	94
52	Tuning the threshold voltage in electrolyte-gated organic field-effect transistors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 8394-8399.	7.1	94
53	Electrochemical coupling of dialkylated sexithiophene. <i>Advanced Materials</i> , 1992, 4, 107-110.	21.0	93
54	Organic inverter circuits employing ambipolar pentacene field-effect transistors. <i>Applied Physics Letters</i> , 2006, 89, 033512.	3.3	93

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55	Polarized fluorescence in β -sexithienyl single crystal at 4.2 K. <i>Journal of Chemical Physics</i> , 1998, 108, 7327-7333.	3.0	90
56	Low-Operating-Voltage Organic Transistors Made of Bifunctional Self-Assembled Monolayers. <i>Advanced Functional Materials</i> , 2007, 17, 597-604.	14.9	90
57	Capacitance-voltage measurements and flat-band potential determination on Zr-doped β -Fe ₂ O ₃ single-crystal electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1983, 159, 421-436.	0.1	85
58	A Compact Model for Organic Field-Effect Transistors With Improved Output Asymptotic Behaviors. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 1136-1141.	3.0	85
59	Experimental determination of excitonic levels in β -oligothiophenes. <i>Journal of Chemical Physics</i> , 2000, 113, 385-391.	3.0	81
60	Molecular order in organic-based field-effect transistors. <i>Synthetic Metals</i> , 1996, 81, 163-171.	3.9	78
61	Charge Distribution and Contact Resistance Model for Coplanar Organic Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , 2013, 60, 280-287.	3.0	78
62	Fundamental Benefits of the Staggered Geometry for Organic Field-Effect Transistors. <i>IEEE Electron Device Letters</i> , 2011, 32, 1302-1304.	3.9	77
63	Thin-film transistors based on alpha-conjugated oligomers. <i>Synthetic Metals</i> , 1991, 41, 1127-1130.	3.9	76
64	Organic transistors using β -octithiophene and β , γ -dihexyl- β -octithiophene: Influence of oligomer length versus molecular ordering on mobility. <i>Advanced Materials</i> , 1997, 9, 557-561.	21.0	76
65	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
66	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
67	Decoupling the Effects of Self-Assembled Monolayers on Gold, Silver, and Copper Organic Transistor Contacts. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400384.	3.7	75
68	Electrochemical synthesis of alpha-conjugated octi- and decithienyl oligomers. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 267, 339-342.	0.1	70
69	Tuning of the Electronic and Optical Properties of Oligothiophenes via Cyano Substitution: A Joint Experimental and Theoretical Study. <i>Journal of Physical Chemistry B</i> , 1997, 101, 4553-4558.	2.6	68
70	Structure-performance relationship in pentacene/Al ₂ O ₃ thin-film transistors. <i>Synthetic Metals</i> , 2004, 146, 279-282.	3.9	64
71	Cyclic voltammetry and differential cyclic voltabsorptometry of soluble oligothiophenes: evidence for a four-fold charged π -dimer in duodecithiophene. <i>Journal of Electroanalytical Chemistry</i> , 1995, 399, 97-103.	3.8	63
72	Generation of stabilized polarons and bipolarons on extended model thiophene oligomers. <i>Synthetic Metals</i> , 1991, 41, 463-469.	3.9	62

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73	Crystal structure of β -bis(triisopropylsilyl)-sexithiophene: Unusual conjugated chain distortion induced by interchain steric effects. <i>Advanced Materials</i> , 1994, 6, 660-663.	21.0	62
74	Polythiophene-GaAs p-n heterojunction solar cells. <i>Solar Energy Materials and Solar Cells</i> , 1986, 13, 47-55.	0.4	60
75	Photoinduced spontaneous and stimulated emission in sexithiophene single crystals. <i>Optical Materials</i> , 1998, 9, 46-52.	3.6	60
76	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
77	Thermal and optical characterization of high purity β -octithiophene. <i>Advanced Materials</i> , 1997, 9, 75-80.	21.0	54
78	Disorder influenced optical properties of β -sexithiophene single crystals and thin evaporated films. <i>Chemical Physics</i> , 1998, 227, 49-56.	1.9	54
79	Growth of polyalkylthiophene films by matrix assisted pulsed laser evaporation. <i>Organic Electronics</i> , 2004, 5, 29-34.	2.6	54
80	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
81	Phospholipid film in electrolyte-gated organic field-effect transistors. <i>Organic Electronics</i> , 2012, 13, 638-644.	2.6	54
82	A TIPS-TPDO-tetraCN-Based n-Type Organic Field-Effect Transistor with a Cross-linked PMMA Polymer Gate Dielectric. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 14701-14708.	8.0	54
83	Crystal growth and photoelectrochemical study of Zr-doped β -Fe ₂ O ₃ single crystal. <i>Journal of Crystal Growth</i> , 1982, 57, 118-124.	1.5	52
84	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
85	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
86	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
87	Modeling the low-voltage regime of organic diodes: Origin of the ideality factor. <i>Journal of Applied Physics</i> , 2011, 110, .	2.5	49
88	Validity of the concept of band edge in organic semiconductors. <i>Journal of Applied Physics</i> , 2015, 118, .	2.5	49
89	The four-level stimulated emission in sexithiophene single crystals. <i>Applied Physics Letters</i> , 1998, 72, 2087-2089.	3.3	46
90	Alpha-sexithienyl: A p- and n-type dopable molecular semiconductor. <i>Solid State Communications</i> , 1989, 70, 385-388.	1.9	43

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91	Quantitative Comparison of Fermi Level Pinning at GaAs/Metal and GaAs/Liquid Junctions. Journal of the Electrochemical Society, 1984, 131, 2563-2569.	2.9	42
92	Modification of Indium Tin Oxide Films by Alkanethiol and Fatty Acid Self-Assembled Monolayers: A Comparative Study. Langmuir, 2006, 22, 3118-3124.	3.5	42
93	Copolythiophene-based water-gated organic field-effect transistors for biosensing. Journal of Materials Chemistry B, 2013, 1, 2090.	5.8	41
94	Organic semiconducting polymers as molecular material for electronic devices. Synthetic Metals, 1987, 18, 693-698.	3.9	40
95	Large enhancement of the carrier mobility in semiconducting π -sexithienylene thin films by pulsed electrochemical inclusion of metal. Advanced Materials, 1991, 3, 150-153.	21.0	40
96	Protection of n-GaAs Photoanodes by Photoelectrochemical Grafting of Poly(3-Methylthiophene) and Poly(3,4-Dimethylthiophene) Films. Journal of the Electrochemical Society, 1984, 131, 151-156.	2.9	39
97	Detailed Analysis of a Redox Stabilized Liquid Junction Solar Cell: Application to the Cell. Journal of the Electrochemical Society, 1983, 130, 2352-2357.	2.9	37
98	Semiconducting conjugated oligomers for molecular electronics. Synthetic Metals, 1989, 28, 723-727.	3.9	37
99	Structure-Dependent Fluorescence in Sexithiophene Single Crystals. Advanced Materials, 1999, 11, 234-238.	21.0	37
100	Evidence for a linear low-voltage space-charge-limited current in organic thin films. Film thickness and temperature dependence in alpha-conjugated sexithienyl. Journal De Physique, 1990, 51, 1489-1499.	1.8	36
101	Structure effect on transport of charge carriers in conjugated oligomers. Synthetic Metals, 1993, 57, 4747-4754.	3.9	33
102	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
103	Injection barrier at metal/organic semiconductor junctions with a Gaussian density-of-states. Journal Physics D: Applied Physics, 2015, 48, 395103.	2.8	32
104	Transient electroluminescence of monolayer and bilayer sexithiophene diodes. Synthetic Metals, 1994, 67, 197-200.	3.9	31
105	Organic Metal-Semiconductor Field-Effect Transistor (OMESFET) Fabricated on a Rubrene Single Crystal. Advanced Materials, 2010, 22, 424-428.	21.0	30
106	Persistent photoexcitation effect on the poly(3-hexylthiophene) film: Impedance measurement and modeling. Synthetic Metals, 2012, 162, 460-465.	3.9	30
107	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
108	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

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109	Long-Term Stabilization of Polythiophene-Protected n-GaAs Photoanodes in Aqueous Solution. Journal of the Electrochemical Society, 1985, 132, 634-637.	2.9	28
110	Protection of CdSe Oxygen Photoanodes by Poly(bithiophene)-Polypyrrole Composites and Copolymers. Journal of the Electrochemical Society, 1988, 135, 1695-1699.	2.9	28
111	From oligomers to polymer. An insight into the electrochemical doping/dedoping of polythiophene from electrochemical data on thiophene oligomers. Journal of Electroanalytical Chemistry, 1992, 335, 123-134.	3.8	28
112	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
113	Cathodic electropolymerization of polythiophene on platinum and various semiconducting electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 246, 467-472.	0.1	26
114	Optoelectronic properties of sexithiophene single crystals. Synthetic Metals, 1997, 90, 187-192.	3.9	26
115	Origin of the ohmic current in organic field-effect transistors. Advanced Materials, 1996, 8, 177-179.	21.0	25
116	Substrate Dependent Orientation and Structure of Sexithiophene Thin Films. Synthetic Metals, 1997, 84, 605-606.	3.9	25
117	Photoconductivity of sexithiophene single crystals. Physical Review B, 1999, 59, 10651-10656.	3.2	25
118	Charge carrier injection and transport associated with thermally generated cracks in a 6,13-bis(triisopropylsilylethynyl) pentacene thin-film transistor. Solid-State Electronics, 2011, 63, 163-166.	1.4	25
119	Subthreshold regime in rubrene single-crystal organic transistors. Applied Physics A: Materials Science and Processing, 2009, 95, 193-201.	2.3	24
120	Tunnel current in organic field-effect transistors. Synthetic Metals, 2003, 138, 101-105.	3.9	23
121	Advances in Compact Modeling of Organic Field-Effect Transistors. IEEE Journal of the Electron Devices Society, 2020, 8, 1404-1415.	2.1	23
122	Interfaces in Organic Field-Effect Transistors. Advances in Polymer Science, 2009, , 113-153.	0.8	22
123	Modeling of mobility in organic thin-film transistor based octithiophene (8T). Synthetic Metals, 2010, 160, 1787-1792.	3.9	22
124	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
125	Structural control of the optical properties of thin films of oligothiophenes. Synthetic Metals, 1994, 67, 277-280.	3.9	20
126	Amphiphilic conjugated block copolymers for efficient bulk heterojunction solar cells. Journal of Materials Chemistry, 2012, 22, 4511.	6.7	20

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127	Impedance spectroscopy on copper phthalocyanine diodes with surface-induced molecular orientation. <i>Organic Electronics</i> , 2014, 15, 1724-1730.	2.6	20
128	Fundamental insights into the threshold characteristics of organic field-effect transistors. <i>Journal Physics D: Applied Physics</i> , 2015, 48, 035106.	2.8	20
129	Role of mesoscopic molecular organization in organic-based thin film transistors. <i>Supramolecular Science</i> , 1997, 4, 155-162.	0.7	19
130	Structural, spectroscopic and device characteristics of octithiophene. <i>Synthetic Metals</i> , 1997, 85, 1309-1312.	3.9	19
131	Numerical Modeling of an Organic Electrochemical Transistor. <i>Biosensors</i> , 2018, 8, 103.	4.7	18
132	Tunneling at Organic/Metal Interfaces in Oligomer-Based Thin-Film Transistors. <i>MRS Bulletin</i> , 1997, 22, 52-56.	3.5	17
133	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
134	Oligothiophene films under electron irradiation: electron mobility and contact potentials. <i>Materials Science and Engineering C</i> , 2002, 22, 367-372.	7.3	17
135	Compact modelling and SPICE simulation for three-dimensional, inkjet-printed organic transistors, inverters and ring oscillators. <i>Journal Physics D: Applied Physics</i> , 2019, 52, 444005.	2.8	17
136	Parametrization of the Gaussian Disorder Model to Account for the High Carrier Mobility in Disordered Organic Transistors. <i>Physical Review Applied</i> , 2021, 15, .	3.8	17
137	Flatband potential of a α -type phosphide electrode. <i>Journal of Applied Physics</i> , 1978, 49, 3571-3573.	2.5	16
138	Strongly Correlated Alignment of Fluorinated 5,11-Bis(triethylgermylethynyl)anthradithiophene Crystallites in Solution-Processed Field-Effect Transistors. <i>ChemPhysChem</i> , 2014, 15, 2913-2916.	2.1	16
139	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
140	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
141	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
142	Toward a Fully Analytical Contact Resistance Expression in Organic Transistors. <i>Materials</i> , 2019, 12, 1169.	2.9	15
143	Photocurrent onset potential and flatband potential of a α -type GaP semiconducting photoelectrode. <i>Applied Physics Letters</i> , 1982, 40, 409-411.	3.3	14
144	HREELS Study of Self-Assembled Monolayers of Alkylthiols Functionalized with Oligothiophene Moieties: A Extreme Surface Analysis and Evidence for Intermolecular Interactions. <i>Langmuir</i> , 2003, 19, 2649-2657.	3.5	14

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145	Self-Assembly of an Octanethiol Monolayer on a Gold-Stepped Surface. <i>Langmuir</i> , 2008, 24, 2042-2050.	3.5	14
146	Photoelectrochemical oxidation of water at CdS and CdSe anodes coated with composites of conducting polymer containing RuO ₂ . <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1989, 269, 337-349.	0.1	13
147	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
148	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
149	Thin Films of Conjugated Polymers for Photoelectrochemical and Electronic Devices. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1988, 92, 1261-1266.	0.9	12
150	Thin polymer films on semiconductors: From their protection to the realization of molecular electronic devices. <i>Makromolekulare Chemie Macromolecular Symposia</i> , 1987, 8, 159-170.	0.6	11
151	Directional dispersion of exciton levels in $\hat{\pm}$ -oligothiophenes. <i>Synthetic Metals</i> , 2001, 119, 589-590.	3.9	11
152	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
153	Organic Transistors. , 2006, , 1-32.		10
154	Effects of the solvent polarity of a polymeric insulator on field-effect mobility in an organic thin-film transistor. <i>Solid-State Electronics</i> , 2013, 81, 140-143.	1.4	10
155	Cellules photo-électrochimiques à électrodes semiconductrices pour la conversion et le stockage de l'énergie solaire. <i>Revue De Physique Appliquée</i> , 1980, 15, 463-476.	0.4	8
156	Femtosecond dynamics of excited states in sexithiophene thin films. <i>Chemical Physics</i> , 1997, 215, 131-138.	1.9	8
157	Simplified numerical simulation of organic photovoltaic devices. <i>Journal of Computational Electronics</i> , 2016, 15, 1095-1102.	2.5	8
158	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
159	Stabilization of CdS and CdSe photoelectrodes modified by a catalyst-containing polythiophene coating. <i>Zeitschrift Fur Elektrotechnik Und Elektrochemie</i> , 1987, 91, 402-405.	0.9	7
160	Carrier mobility enhancement in semiconducting poly(3-methylthiophene) by electrochemical inclusion of cooper. <i>Synthetic Metals</i> , 1989, 31, 267-273.	3.9	7
161	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
162	Hreels studies on the electronic structure of oligothiophene films. <i>Synthetic Metals</i> , 1999, 101, 606-607.	3.9	7

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